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VIRGINIA

1988 Vital Statistics Annual Report



Center for Health Statistics
Virginia Department of Health
Richmond

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COMMONWEALTH of VIRGINIA

C.M.G. BUTTERY, M.D.
COMMISSIONER

Department of Health
Richmond, Virginia 23219

The Honorable Gerald L. Baliles
Governor of Virginia
Richmond, Virginia

Dear Governor Baliles:

It is a pleasure to present the seventy-sixth vital statistics annual report of the Virginia Department of Health for calendar year 1988.

The report contains narrative descriptions and statistical tables of vital records and communicable diseases information relative to the experiences of Virginia and her citizens during 1988 and indicates trends of specific events during recent years.

Data in the report indicate that 1988 annual totals for all Virginia vital events (births, deaths, induced abortions, natural fetal deaths, marriages and divorces) were higher than those of 1987. Additionally, the numbers of deaths, induced abortions, natural fetal deaths and marriages were the highest on record though this is not true for the respective rates.

Below are shown the growth in Virginia vital events since 1950.

Vital Events With Rates, Virginia, Since 1950

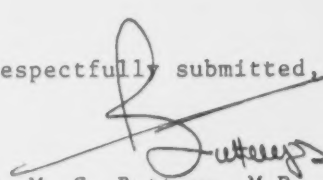
Year	Births		Deaths		Induced Abortions		Natural Fetal Deaths		Marriages		Divorces	
	Number	Rate*	Number	Rate*	Number	Rate#	Number	Rate#	Number	Rate*	Number	Rate*
1950	81,986	24.6	29,680	8.9	N.A.	N.A.	N.A.	N.A.	36,732	11.0	5,941	1.8
1960	95,716	24.0	34,400	8.6	N.A.	N.A.	N.A.	N.A.	37,519	9.4	7,348	1.8
1970	86,081	18.5	39,009	8.4	1,633	1.6	6,840	6.8	51,964	11.1	11,879	2.5
1980	78,423	14.7	42,496	7.9	30,062	23.1	6,448	4.9	60,210	11.3	23,615	4.4
1988	92,816	15.6	47,557	8.0	33,637	22.9	7,896	5.4	68,947	11.6	26,013	4.4

*Rates per 1,000 population.

#Rates per 1,000 live births.

N.A. - Not available

Respectfully submitted,


C. M. G. Buttery, M.D., M.P.H.
State Health Commissioner

Virginia

1988

**Vital Statistics
Annual Report**

Center for Health Statistics

Virginia Department of Health
Richmond, Virginia
December, 1989

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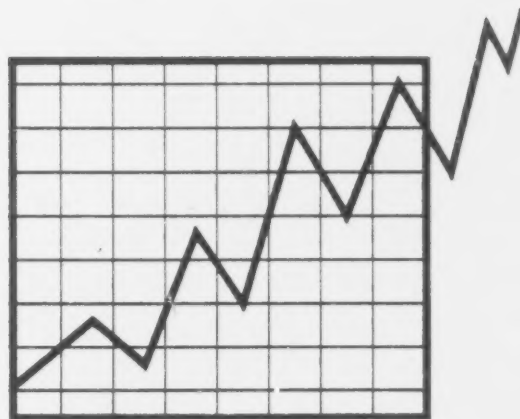
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Vital Statistics





VITAL STATISTICS

INTRODUCTION

Vital Statistics data for Virginia for the year 1988 are presented in this Statistical Annual Report, the seventy-sixth in the series. Data regarding births and deaths have been compiled each year since 1913, the year after the General Assembly passed the original Vital Statistics Act. Marriage data are available for each year since 1917, and divorce statistics have been recorded and tabulated since 1918. Currently, certificates are filed in the Division of Vital Records and data are tabulated by the Center for Health Statistics.

In this report, the data are described and briefly analyzed in narrative form. Following this, the vital statistics are presented in detailed tables showing trends experienced in Virginia for the twenty-year period 1969-1988. For 1988 events, tables containing information for the State and for independent cities and counties are also included. Cities and counties are grouped into the twenty-two State planning districts, and planning district totals are also given.

Most tabulations are based on births, deaths, natural fetal deaths, induced abortions, marriages, and divorces recorded in the Division of Vital Records and known births and deaths of Virginia residents which occurred outside the State. Since resident data reflect local conditions, the majority of material in this vital statistics report is presented by place of residence although a few tables are by place of occurrence of the event. The title of each table of data on births, deaths, natural fetal deaths, induced abortions, and marriages specifies whether the tabulation is compiled by place of occurrence or by place of residence. The divorce data are presented by city or county where the court granted the divorce.

DEFINITIONS

Residence is the city or county where the deceased resided for a death, where the mother resides for a birth, or where the patient resides for a natural fetal death or induced abortion. Marriages are tabulated according to the city or county of residence for both the bride and the groom.

White and nonwhite breakdowns are given for most data. "White" includes persons reported as Mexican and Puerto Rican and those not specifically designated as nonwhite. "Nonwhite" includes Black, a reported mixture of Black with any other race, and all other nonwhite races and mixtures. For marriage and divorce figures, white and nonwhite refer to the race of the husband. For birth and fetal death data, white and nonwhite refer to the race of the mother.

A live birth is defined as the complete expulsion or extraction from its mother of a product of human conception, irrespective of the duration of pregnancy, which, after such expulsion or extraction, breathes or shows any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles, whether or not the umbilical cord has been cut or the placenta is attached. (Vital Statistics Laws of Virginia, Chapter 7, Section 32.1-249.7)

COMMONWEALTH OF VIRGINIA CITIES AND COUNTIES AND PLANNING DISTRICTS



SOURCE: Virginia Department Of Health

CITIES AND COUNTIES BY PLANNING DISTRICT, VIRGINIA

Planning District Number		Planning District Number		Planning District Number		Planning District Number	
8	Alexandria	13	South Boston	2	Dickenson	10	Nelson
11	Bedford	6	Staunton	19	Dinwiddie	15	New Kent
3	Bristol	20	Suffolk	18	Essex	22	Northampton
6	Buena Vista	20	Virginia Beach	8	Fairfax	17	Northumberland
10	Charlottesville	6	Waynesboro	9	Fauquier	14	Nottoway
20	Chesapeake	21	Williamsburg	4	Floyd	9	Orange
5	Clifton Forge	7	Winchester	10	Fluvanna	7	Page
19	Colonial Heights			12	Franklin	12	Patrick
5	Covington			7	Frederick	12	Pittsylvania
12	Danville			4	Giles	15	Powhatan
19	Emporia	22	Accomack	18	Gloucester	14	Prince Edward
8	Fairfax	10	Albemarle	15	Goochland	19	Prince George
8	Falls Church	5	Alleghany	3	Grayson	8	Prince William
20	Franklin	14	Amelia	10	Greene	4	Pulaski
16	Fredericksburg	11	Amherst	19	Greensville	9	Rappahannock
3	Galax	11	Appomattox	13	Halifax	17	Richmond
21	Hampton	8	Arlington	15	Hanover	5	Roanoke
6	Harrisonburg	6	Augusta	15	Henrico	6	Rockbridge
19	Hopewell	6	Bath	12	Henry	6	Rockingham
6	Lexington	11	Bedford	6	Highland	2	Russell
11	Lynchburg	3	Bland	20	Isle of Wight	1	Scott
8	Manassas	5	Botetourt	21	James City	7	Shenandoah
8	Manassas Park	13	Brunswick	16	King George	3	Smyth
12	Martinsville	2	Buchanan	18	King and Queen	20	Southampton
21	Newport News	14	Buckingham	18	King William	16	Spotsylvania
20	Norfolk	11	Campbell	17	Lancaster	16	Stafford
1	Norton	16	Caroline	1	Lee	19	Surry
19	Petersburg	3	Carroll	8	Loudoun	19	Sussex
21	Poquoson	15	Charles City	10	Louisa	2	Tazewell
20	Portsmouth	14	Charlotte	14	Lunenburg	7	Warren
4	Radford	15	Chesterfield	9	Madison	3	Washington
15	Richmond	7	Clarke	18	Mathews	17	Westmoreland
5	Roanoke	5	Craig	13	Mecklenburg	1	Wise
5	Salem	9	Culpeper	18	Middlesex	3	Wythe
		14	Cumberland	4	Montgomery	21	York

A low weight birth (formerly called immature birth) is one for which the birth weight is 2,500 grams (5 pounds 8 ounces) or less, regardless of the period of gestation.

An illegitimate event (birth, induced abortion, natural fetal death) is one which occurred to a woman who was not married to the father of the child at the time of the event and had not been married to him at any time during the preceding 10 months.

A fetal death is defined as the death caused by induced abortion or the death prior to the complete expulsion or extraction from the mother of a product of human conception, irrespective of the duration of pregnancy. The death is indicated by the fact that after such expulsion or extraction, the fetus does not breathe or show any other evidence of life such as beating of the heart, pulsation of the umbilical cord, or definite movement of voluntary muscles. (Vital Statistics Laws of Virginia, Chapter 7, Section 32.1-249.2)

Induced abortion is a fetal death where the pregnancy has been deliberately terminated with the purpose of producing a nonviable fetus. Molar and ectopic pregnancies are excluded.

A natural fetal death is a fetal death that is not an induced abortion.

Infant deaths are deaths of children under one year of age. Neonatal deaths are deaths of children under 28 days of age. Hebdomadal deaths are deaths of children under one week of age.

The underlying cause of death, by which all deaths are classified, may be defined as (a) the disease or injury which initiated the train of morbid events leading directly to death, or (b) the circumstances of the accident or violence which produced the fatal injury. It is the responsibility of the certifying physician or medical examiner to indicate the underlying cause, and it is the responsibility of the nosologists in the Center for Health Statistics to assign the proper code number from the Ninth Revision, International Classification of Diseases, so that deaths may be classified by underlying cause. Because of the classification revision, cause-of-death figures beginning with 1979 data are not entirely comparable with those of earlier years.

In order to compare death rates from certain causes for the years 1979-1988 with the death rates for a year or years during the period 1969-1978, the estimated number of deaths from those causes during the early period must be derived by the use of comparability ratios which were computed by the National Center for Health Statistics from the results of dual coding of certificates according to the old and the new procedures. The comparability ratios are the number of deaths classified to a given cause by the Ninth Revision divided by the number of deaths classified to that cause by the Eighth Revision. Comparability ratios have been published by the National Center for Health Statistics in the Monthly Vital Statistics Report, Vol. 28, No. 11, Supplement, February 29, 1980.

Beginning with data for 1987, the National Center for Health Statistics added classification categories for human immunodeficiency virus (HIV) infection (AIDS). Deaths classified to HIV infection for 1988 are included in "Other infectious & parasitic diseases" in Tables 41, 45 and 46 and are also shown in a separate section of the narrative portion of this report. For 1986 and previous years, deaths involving HIV infection were classified to various categories, so comparable data are not available.

Rates used in this report are defined below:

Birth rate	=	$\frac{\text{Number of live births}}{\text{Estimated total midyear population}} \times 1,000$
Death rate	=	$\frac{\text{Number of deaths}}{\text{Estimated total midyear population}} \times 1,000$
Infant mortality rate	=	$\frac{\frac{\text{Number of deaths under one year of age}}{\text{Total number of live births}}}{\text{Total number of live births}} \times 1,000$
Neonatal mortality rate	=	$\frac{\frac{\text{Number of deaths under 28 days of age}}{\text{Total number of live births}}}{\text{Total number of live births}} \times 1,000$
Perinatal mortality rate	=	$\frac{\frac{(\text{Number of deaths under one week of age} + \text{number of fetal deaths 28 weeks and over gestation})}{\text{Total number of live births} + \text{number of fetal deaths 28 weeks and over gestation}}}{\text{Total number of live births} + \text{number of fetal deaths 28 weeks and over gestation}} \times 1,000$
Maternal mortality rate	=	$\frac{\text{Number of maternal deaths}}{\text{Total number of live births}} \times 100,000$

Death rates by cause are calculated per 100,000 estimated population.

Resident rates refer to births or deaths of residents of Virginia (or of a planning district, city or county) and are based on estimated total population, or total live births of the area. No city, county, or planning district resident marriage or resident divorce rates are published in this report. The marriage rates and divorce rates for the State given in Table 3 include all marriages performed in Virginia or all divorces granted in Virginia courts and are calculated per 1,000 estimated population.

A "resident" marriage rate has limited meaning because there is at present no interstate exchange of marriage records, hence no way of knowing how many residents of Virginia are married in other states. Furthermore, the bride and the groom may be residents of two different Virginia localities. According to Virginia law, one party of a divorce must be a resident of this State for a year prior to the commencement of the suit. Because 14 independent cities do not have separate courts but share a court with the adjoining county, there are no separate divorce figures for these cities. (See Table 51).

The median is defined as the observation that divides a distribution into two equal parts, with 50 percent of the observations below and 50 percent above it in value.

Total population data by city and county for 1988, as shown in Table 2, are projections prepared by the Virginia State Data Center, Virginia Employment Commission (formerly of the Department of Planning and Budget).

INTERPRETATION OF DATA

Collection. In Virginia, all birth, fetal death, and death certificates are filed in the local health department of the county or independent city where the event occurred by hospitals, physicians, midwives, and funeral directors. Each local health office forwards the records semi-monthly to the Division of Vital Records. Marriage certificates and divorce abstracts are transmitted monthly to the Division by clerks of the various city and county courts.

Interstate exchange of vital records. An interstate exchange of birth and death certificates provides a count of out-of-state events occurring to Virginia residents. These figures are included in the resident data for Virginia cities and counties. Likewise, copies of certificates of events occurring in Virginia to non-residents are sent to the proper states. Since a large number of births to northern Virginia residents occur in District of Columbia hospitals, the number of out-of-state births to Virginia residents greatly exceeds the number of non-resident births occurring in the State. Out-of-state deaths also outnumber non-resident deaths, but by a smaller margin.

LOCATION OF BIRTHS AND DEATHS
VIRGINIA, 1988

Location	Births, 1988			Deaths, 1988		
	Total	White	Nonwhite	Total	White	Nonwhite
Occurring in Virginia	90,291	66,020	24,271	46,903	36,084	10,819
Residents of Virginia	87,841	64,025	23,816	44,717	34,261	10,456
Residents of other areas	2,450	1,995	455	2,186	1,823	363
Occurring to Virginia residents	92,816	68,222	24,594	47,557	36,734	10,823
In Virginia	87,841	64,025	23,816	44,717	34,261	10,456
Out-of-State	4,975	4,197	778	2,840	2,473	367

Completeness of registration. When the Census of Population was taken for 1950, tests were made to determine the completeness of birth registration in each state. At that time, Virginia's reporting was estimated to be 97.3 percent complete (98.0 percent for white births, 95.1 percent for nonwhite). With the steady increase in the percent of births occurring in hospitals since 1950, especially among the nonwhite, it is assumed that the reporting of births is more nearly complete than before.

The completeness of registration of other vital records has never been studied to any great extent; however, indications are favorable in regard to the reporting of these records. Death registration is considered more complete than birth registration since other legal requirements must be met.

The numbers of Virginia resident fetal deaths and induced abortions are under-reported since there is no formal interstate exchange of these records as there is for births and deaths. However, 1,615 induced abortions involving Virginia women were received from other states and are included in this report.

Late filing of records. All vital records for the report year which are received prior to the deadline cutoff date in the following year are included in the annual data. Deadline cutoff dates are March 1 for marriages and divorces, April 1 for deaths, and May 1 for births, natural fetal deaths and induced abortions. Late registrations not included in annual data are, therefore, small in number.

Tabulation of data by residence and by place of occurrence. Resident data are presented for the State, for planning districts, and for counties and independent cities on all vital events except divorces. Recorded data, which are obtained by classifying the vital records according to the place of occurrence, are shown for births, deaths, marriages, and divorces.

Summary of Vital Events. Data indicate that on an average day in 1988:

254 Virginia residents were born
 130 Virginia residents died
 188 marriages occurred in Virginia
 71 divorces occurred in Virginia

SUMMARY OF VITAL EVENTS, VIRGINIA, 1988

Event	Total	White	Nonwhite
Resident Events			
Live births	92,816	68,222	24,594
Natural fetal deaths	7,896	5,682	2,214
Induced abortions	33,637	22,024	11,613
Infant deaths	965	549	416
Deaths, all causes	47,557	36,734	10,823
Recorded Events			
Marriages	68,947	55,940	13,007
Divorces (including annulments)	26,013	21,899	4,114

POPULATION

Virginia's total population as of July, 1988, was projected to be 5,948,376. Projected figures for population were prepared by the Virginia State Data Center, Virginia Employment Commission (formerly of the Department of Planning and Budget.) This was an increase of 74,073, or 1.3 percent, over the 1987 projection of 5,874,303.

Among planning district areas, Planning District 16 (including Caroline, King George, Spotsylvania and Stafford counties and Fredericksburg city) showed the largest increase in population -- 26.5 percent over the 1980 census count. The second most significant increase in population (20.8 percent) occurred in

Planning District 18 (including Essex, Gloucester, King & Queen, King William, Mathews and Middlesex counties). No planning district indicated a loss in population from 1980 to 1988. Planning District 8 (including Arlington, Fairfax, Loudoun, and Prince William counties and the cities of Alexandria, Fairfax, Falls Church, Manassas, and Manassas Park) had the largest population, 1,283,292. Planning District 17 (Lancaster, Northumberland, Richmond, and Westmoreland counties) was the smallest in population with 43,744 residents.

Natural Population Increase. For 1988, there was a natural population increase of 45,259 which was higher than the natural increase of 43,696 for 1987.

The increase of 2.8 percent in 1988 resident births and the 2.0 percent increase in resident deaths combined to increase the birth-to-death ratio from 1.937 in 1987 to 1.952 in 1988. The total live birth rate exceeded the death rate by 7.6 per 1,000 population in 1988.

NUMBER AND RATE OF NATURAL POPULATION INCREASE BY RACE
VIRGINIA, 1988

Race	Births		Deaths		Natural Increase	
	Number	Rate	Number	Rate	Number	Rate
Total	92,816	15.6	47,557	8.0	45,259	7.6
White	68,222	14.6	36,734	7.9	31,488	6.8
Nonwhite	24,594	19.1	10,823	8.4	13,771	10.7

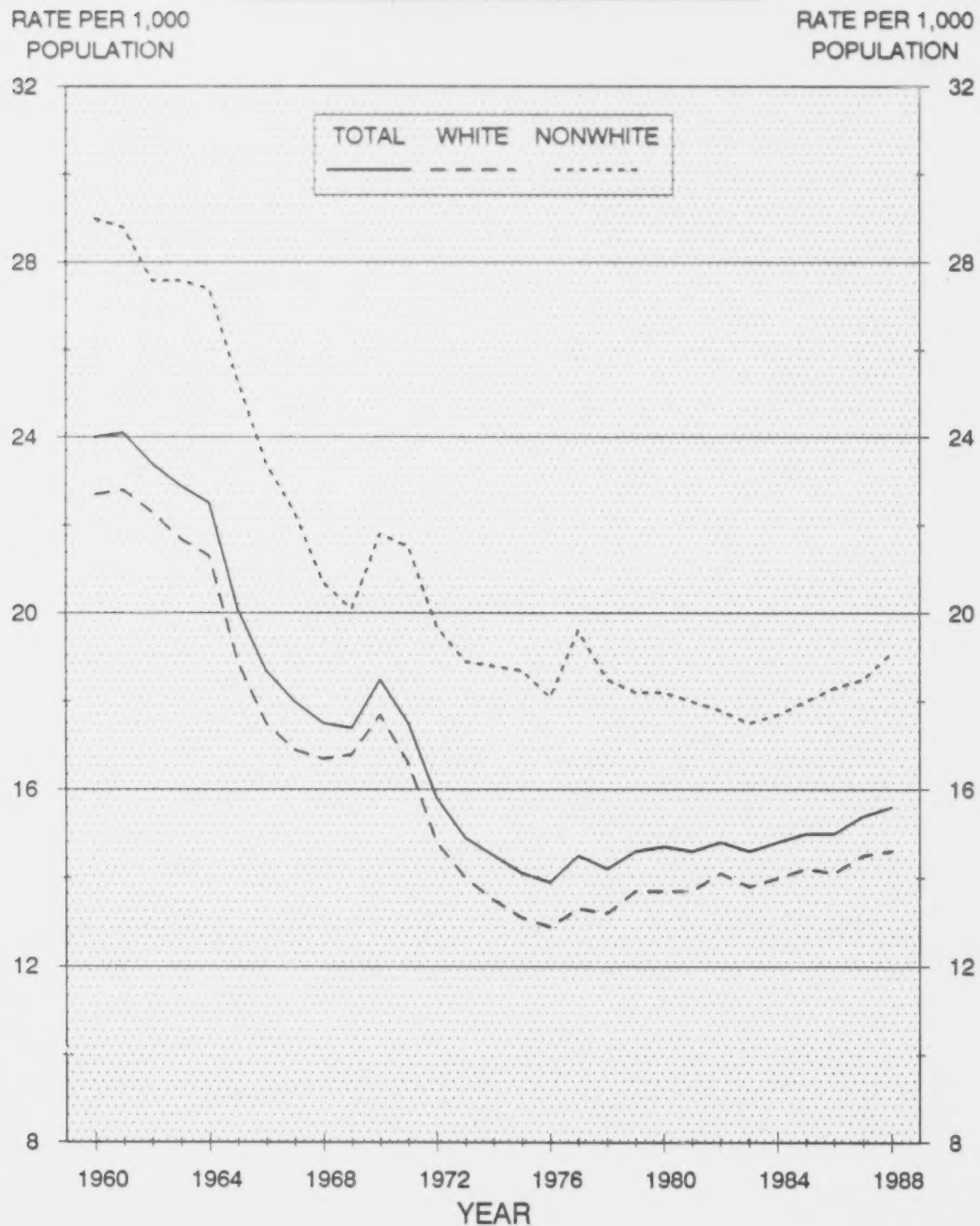
RESIDENT BIRTHS

Virginia resident live births numbered 92,816 in 1988, representing a 2.8 percent increase over the 90,314 figure for 1987. The birth rate was 15.6 per 1,000 estimated population in 1988, resulting in an increase over the 1987 rate, 15.4. The comparable preliminary birth rate for the United States was 15.9 per 1,000 population in 1988.

BIRTHS AND BIRTH RATES WITH PERCENT CHANGE
VIRGINIA, 1984-1988

Year	Births	Percent Change	Birth Rate	Percent Change
1984	82,662	2.3	14.8	1.4
1985	85,984	4.0	15.0	1.4
1986	87,125	1.3	15.0	0.0
1987	90,314	3.7	15.4	2.7
1988	92,816	2.8	15.6	1.3

CHART A
RESIDENT BIRTH RATES BY RACE
VIRGINIA, 1960-1988



Race and Age of Mother. Of the 92,816 infants born to Virginians in 1988, nearly three-fourths (73.5 percent) were white. However, the nonwhite fertility rate (73.6) was 13.4 per 1,000 females 15-44 higher than the white rate of 60.2. White births increased in 1988 by 1,337, or 2.0 percent, over 1987. Nonwhite births increased by 1,165, or 5.0 percent.

RESIDENT LIVE BIRTHS BY AGE OF MOTHER BY RACE
WITH AGE SPECIFIC RATES PER 1,000 FEMALES, VIRGINIA, 1988

Age	Number			Rates per 1,000 Females		
	Total	White	Nonwhite	Total	White	Nonwhite
TOTAL*	92,816	68,222	24,594	63.2	60.2	73.6
Under 15*	235	67	168	5.9	2.3	16.2
15-19	10,179	5,990	4,189	45.6	35.8	74.9
20-24	25,590	17,355	8,235	106.5	94.8	144.0
25-29	29,134	22,566	6,568	110.2	110.9	107.8
30-34	19,692	15,769	3,923	73.6	76.7	63.4
35-39	6,914	5,586	1,328	27.9	28.9	24.6
40-44	1,037	865	172	4.6	4.8	3.9
45 & over*	26	18	8	0.7	0.6	1.2
Not stated	9	6	3			

*Rates are based on population age group 15-44.

*Rates are based on population ages 14 and 45 only.

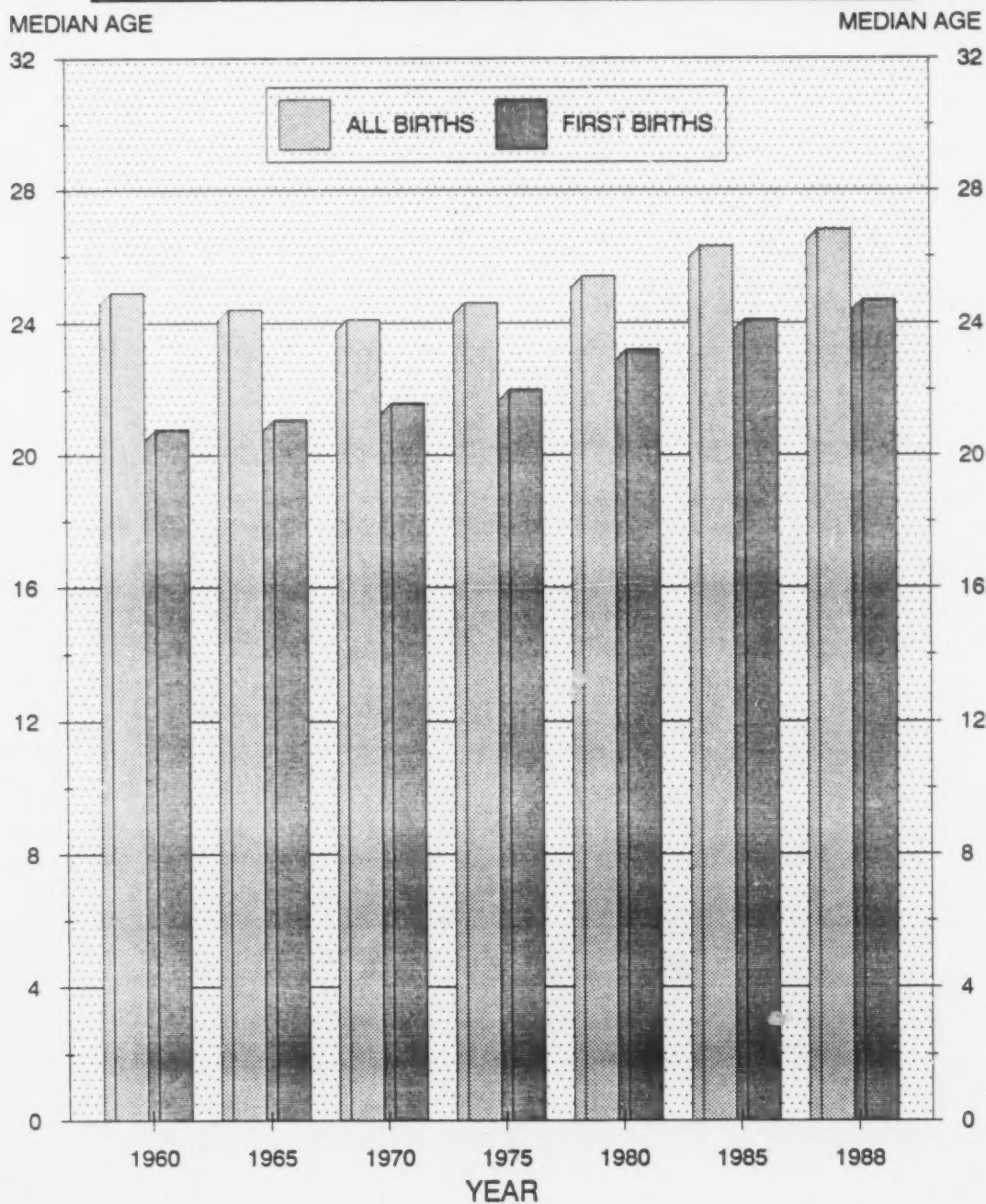
The largest number of births (29,134) occurred in the age group 25-29. It was also the age group with the highest age specific rate (110.2 per 1,000 females). For whites the highest race/age specific rate was 110.9 for ages 25-29, but for nonwhites the highest rate (144.0) occurred for ages 20-24.

Median Age and Live Birth Order. The median age for all mothers having live births was 26.8 in 1988, an increase of 1.5 years over the 1979 median age of 25.3. For white and nonwhite mothers, the median age continued to increase in 1988 to 27.4 and 24.8, respectively.

MEDIAN AGE AT BIRTH FOR ALL BIRTHS AND FIRST BIRTHS BY RACE
VIRGINIA, 1979-1988

Year	All Births			First Births		
	Total	White	Nonwhite	Total	White	Nonwhite
1979	25.3	25.9	23.5	22.9	23.6	20.7
1980	25.4	26.0	23.7	23.2	23.8	21.1
1981	25.5	26.1	23.8	23.4	24.0	21.4
1982	25.7	26.2	24.0	23.5	24.1	21.6
1983	25.9	26.5	24.2	23.7	24.3	21.7
1984	26.1	26.7	24.3	23.9	24.6	22.0
1985	26.3	26.8	24.4	24.1	24.7	22.2
1986	26.4	26.9	24.5	24.2	24.8	22.2
1987	26.6	27.2	24.6	24.4	25.1	22.5
1988	26.8	27.4	24.8	24.7	25.4	22.7

CHART B
MEDIAN AGE AT BIRTH, ALL BIRTHS AND FIRST BIRTHS
VIRGINIA, 1960-1988



For mothers having their first child, the median age has also been steadily increasing from 22.9 in 1979 to 24.7 in 1988. For white mothers having their first child, the median age increased by 1.8 years since 1979 and for nonwhite mothers by 2.0 years. In 1988, the median age for white mothers was higher than that for nonwhite mothers at all birth orders.

MEDIAN AGE OF MOTHER FOR EACH BIRTH ORDER BY RACE
VIRGINIA, 1988

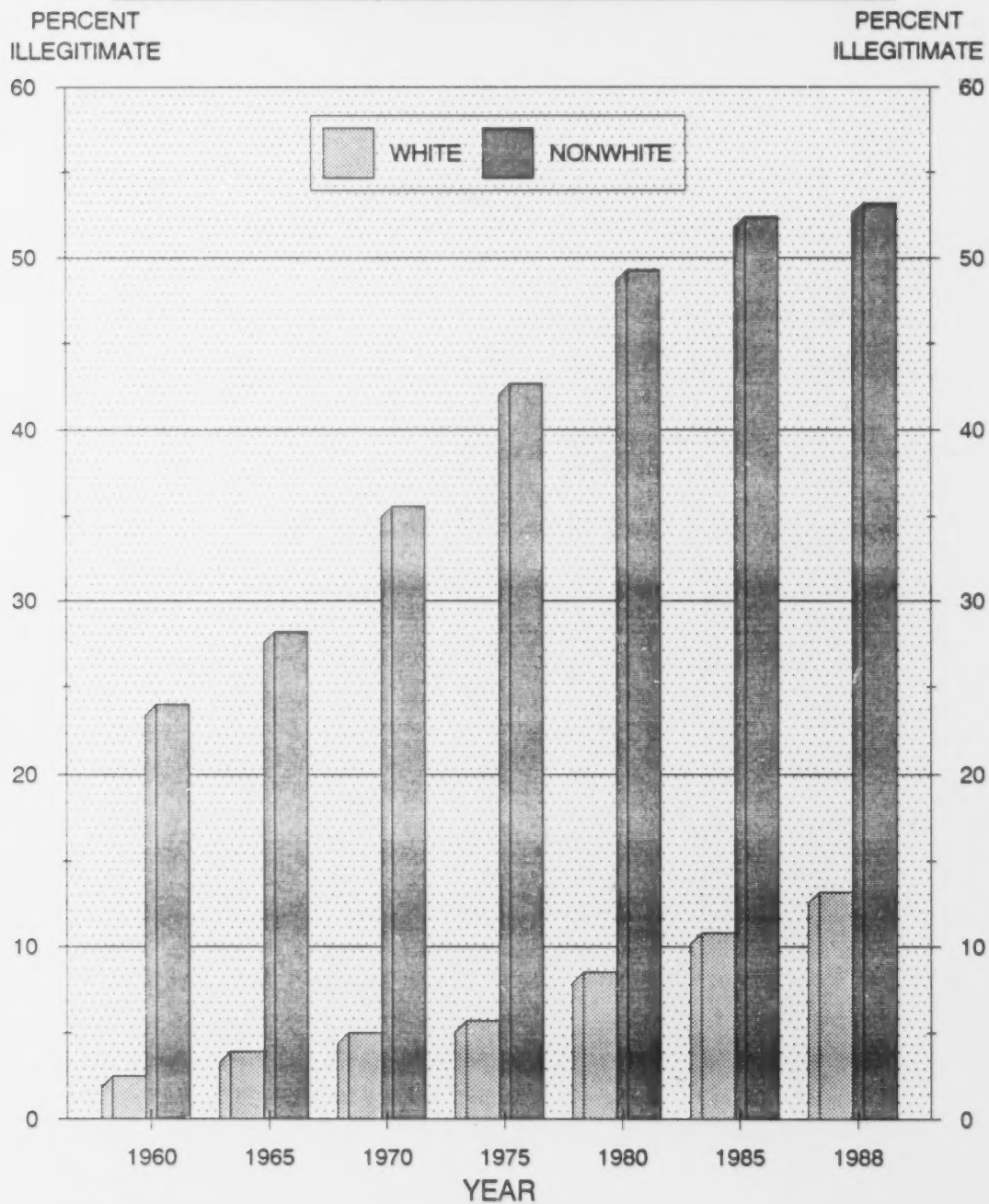
Race	Total	Birth Order									
		1	2	3	4	5	6	7	8	9	10 or more
Total	26.8	24.7	27.5	29.0	30.0	31.4	33.1	35.4	35.2	36.5	37.3
White	27.4	25.4	28.1	29.8	31.1	32.8	35.1	36.7	35.6	37.3	39.5
Nonwhite	24.8	22.7	25.6	27.0	27.9	29.2	30.9	33.3	34.3	34.2	35.7
Years white median age greater than nonwhite	2.5	2.7	2.5	2.8	3.3	3.6	4.2	3.4	1.3	3.2	3.8

Education of Mother. A total of 75,509, or 81.4 percent, of the 1988 Virginia mothers were at least high school graduates. Of this number, 20,575 had completed four or more years of college. For 704 (0.8 percent) of the mothers, education did not extend beyond the sixth grade level. For mothers having their first birth, 82.3 percent had completed at least high school and 23.9 percent had completed four years of college.

EDUCATION OF MOTHER
WITH PERCENT COMPLETING EACH GRADE LEVEL
FOR ALL BIRTHS AND FIRST BIRTHS, VIRGINIA, 1988

Highest Grade Completed	All Births		First Births	
	Number	Percent	Number	Percent
TOTAL	92,816	100.0	40,670	100.0
Elementary				
0-6	704	0.8	228	0.6
7-8	2,236	2.4	908	2.2
High School				
9-11	14,035	15.1	5,918	14.6
12	35,865	38.6	15,368	37.8
College				
1-3	19,069	20.5	8,415	20.7
4+	20,575	22.2	9,708	23.9
Unknown	332	0.4	125	0.3

CHART C
PERCENT ILLEGITIMATE RESIDENT BIRTHS BY RACE
VIRGINIA, 1960-1988



Illegitimate Births. There was an increase of 1,557, or 7.6 percent, in the number of illegitimate births in 1988. This resulted in an illegitimate birth rate of 237.8 per 1,000 live births. Both the illegitimate birth number and illegitimate birth rate for 1988 were the highest on record. The number of illegitimate births increased by 8.5 percent for whites, and by 7.0 percent for nonwhites. However, the nonwhite rate of 531.8 illegitimate births per 1,000 live births was considerably higher than the comparable white rate of 131.8.

RESIDENT ILLEGITIMATE BIRTHS WITH RATES
PER 1,000 LIVE BIRTHS BY YEAR, VIRGINIA, 1979-1988

Year	Total Live Births	Illegitimate Live Births	Rates per 1,000 Live Births
1979	76,899	14,246	185.3
1980	78,423	14,995	191.2
1981	79,278	15,353	193.7
1982	81,098	15,923	196.3
1983	80,779	16,627	205.8
1984	82,662	17,197	208.0
1985	85,984	18,421	214.2
1986	87,125	19,493	223.7
1987	90,314	20,515	227.2
1988	92,816	22,072	237.8

Sex Ratios. As usual, the male births (47,326) outnumbered the female births (45,490). The resulting ratio was 104.0 males to every 100 females.

The frequency of males to females was also greater for infant deaths, for natural fetal deaths where sex was indicated, and for births with congenital malformations. The male-to-female ratio was higher for whites than nonwhites for births.

RATIO OF MALES PER 100 FEMALES FOR SPECIFIED VITAL EVENTS
VIRGINIA, 1988

Vital Event	Total	White	Nonwhite
Live Births	104.0	104.6	102.5
Infant Deaths	128.1	122.3	136.4
Natural Fetal Deaths	151.4	141.5	166.9
Congenital Malformations	136.9	133.7	146.0

Attendant at Birth. The percentage of total births occurring in hospitals in 1988 was 99.2, down slightly from 99.3 for 1987. In 1988, for white births, the percentage in hospitals was 99.2; for nonwhite births, the percentage was 99.3. An additional 276 births were attended by physicians out of the hospital. For white and nonwhite births, the numbers attended by "midwives or others" were 400 and 24, respectively.

Low Weight Births. During 1988, low weight births (weighed 2,500 grams or less at birth regardless of gestation) accounted for 6,628, or 7.1 percent, of total live births. The nonwhites exhibited a much higher percentage of low weight births, with 11.7 percent compared to 5.5 percent low weight births for whites.

PERCENT LOW WEIGHT OF RESIDENT BIRTHS BY RACE
VIRGINIA, 1984-1988

Year	Low Weight Births			Percent		
	Total	White	Nonwhite	Total	White	Nonwhite
1984	6,036	3,534	2,502	7.3	5.8	11.8
1985	6,070	3,597	2,473	7.1	5.6	11.2
1986	6,207	3,659	2,548	7.1	5.7	11.2
1987	6,355	3,713	2,642	7.0	5.6	11.3
1988	6,628	3,760	2,868	7.1	5.5	11.7

NUMBER AND PERCENT OF BIRTHS ACCORDING TO
WEIGHT GROUP BY RACE, VIRGINIA, 1988

Birthweight	Total		White		Nonwhite	
	Number	Percent	Number	Percent	Number	Percent
Total	92,816	100.0	68,222	100.0	24,594	100.0
<u>Low Weight</u>	<u>6,628</u>	<u>7.1</u>	<u>3,760</u>	<u>5.5</u>	<u>2,868</u>	<u>11.7</u>
500 grams or less	165	0.2	82	0.1	83	0.3
501-1500 grams	1,110	1.2	575	0.8	535	2.2
1501-2500 grams	5,353	5.8	3,103	4.5	2,250	9.1
<u>Full Weight</u>	<u>86,103</u>	<u>92.8</u>	<u>64,400</u>	<u>94.4</u>	<u>21,703</u>	<u>88.2</u>
2501-3500 grams	48,178	51.9	32,985	48.3	15,193	61.8
3501-4500 grams	36,143	38.9	29,843	43.7	6,300	25.6
4501 grams & over	1,782	1.9	1,572	2.3	210	0.9
Unknown	85	0.1	62	0.1	23	0.1

The percentage of total births that were low weight was highest at birth order 7 plus. Birth order 6 had the highest percentage of low weight deliveries for white mothers; for nonwhite mothers, the percentage was the highest for birth order 7 plus. At all birth orders, the relative frequency of low weight births was significantly higher among nonwhite than white mothers.

PERCENT LOW WEIGHT OF TOTAL BIRTHS BY BIRTH ORDER
BY RACE, VIRGINIA, 1988

Race	Total	Birth Order						
		1	2	3	4	5	6	7 plus
Total	<u>7.1</u>	<u>7.4</u>	<u>6.3</u>	<u>7.1</u>	<u>8.5</u>	<u>10.6</u>	<u>10.6</u>	<u>11.3</u>
White	5.5	6.1	4.8	5.4	5.6	5.6	7.9	6.1
Nonwhite	11.7	11.6	11.0	11.1	13.5	17.8	14.2	18.4

In 1988, the percentage of low weight live births was highest for mothers 45 years of age and over. Age groups 40-44 had the highest percentage of low weight births for nonwhite mothers. For all age groups except under 15 and 45 and over, nonwhite mothers had a higher percentage of low weight births than white mothers.

PERCENT LOW WEIGHT OF TOTAL BIRTHS BY AGE OF MOTHER
BY RACE, VIRGINIA, 1988

Race	Total	Age of Mother							
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45+
Total	7.1	11.5	10.3	7.3	6.2	6.6	7.3	8.5	15.4
White	5.5	13.4	8.2	5.6	4.8	5.1	5.8	7.5	22.2
Nonwhite	11.7	10.7	13.3	10.8	10.7	12.7	13.3	13.4	0.0

Plural Births. There were 2,134 plural live births to Virginia residents in 1988: 2,059 twins, 72 triplets, and 3 quadruplets. Additionally, 131 twins, 18 triplets and 1 quadruplet were reported as natural fetal deaths.

Among live births, a much higher percentage (53.7) low weight existed for plural births than for single births (6.0). For nonwhite plural births, the percent low weight was 64.3, and for white plural births, it was 49.2.

PLURAL BIRTHS AND LOW WEIGHT PLURAL BIRTHS
WITH PERCENT LOW WEIGHT BY RACE, VIRGINIA, 1988

Event	Total	White	Nonwhite
Plural births	2,134	1,485	649
Plural low weight births	1,147	730	417
Percent low weight	53.7	49.2	64.3

For every 1,000 live births among nonwhite women, there were 26.4 plural births, while for every 1,000 live births among white women, there were 21.8 plural births. The comparative rates for 1987 were 22.2 and 21.4, respectively.

Prenatal Care. In 1988, 74,091 mothers, or 79.8 percent, began prenatal care in the first trimester of pregnancy. At least 97.8 percent of the mothers had seen a physician prior to delivery. Only 1,088, or 1.2 percent, of the mothers received no prenatal care. Care status for 905 mothers was unknown.

Of the mothers who had completed at least 12 years of schooling, 83.9 percent began prenatal care in the first trimester of pregnancy. Only 49.0 percent of the 704 mothers with fewer than seven years of education began care as early. The percentage of mothers who completed at least their high school education but who received no prenatal care was 0.7, while the comparable percentage for mothers with fewer than seven years of school was 3.7.

The 30-34 age group had the highest percent received prenatal care in the first trimester. For those who were under 15 years of age, only 34.0 percent received prenatal care in the first trimester. The percentage of mothers receiving prenatal care was highest for those under 15.

PERCENTAGE DISTRIBUTION OF RESIDENTS
BY TRIMESTER PRENATAL CARE BEGAN

Trimester Care Began	Total			
		Under 15	15-19	20-24
TOTAL	100.0	100.0	100.0	100.0
First trimester	79.8	34.0	58.5	73.7
Second trimester	15.0	48.1	30.6	19.6
Third trimester	3.0	10.2	6.9	4.1
None	1.2	5.5	2.9	1.6
Unknown	0.1	2.1	1.1	1.0

Of the Virginia women giving birth in 1988, 14 times during pregnancy. The median number of visits was 14. There were 224 mothers who were seen by a physician 14 or more times during pregnancy.

Complications of Pregnancy. One or more complications were reported for 36,039, or 38.8 percent, of mothers giving birth in 1988. The 20-24 age group had the lowest percentage of complications, 37.7 percent, while mothers age 45 and over had the highest percentage of complications, 53.8 percent.

COMPLICATIONS OF PREGNANCY
VIRGINIA, 1988

Complications of Pregnancy	Total			
		Under 15	15-19	20-24
Unduplicated Count with Complications	36,039	97	4,021	9,644
Percent of Births	38.8	41.3	39.5	37.7

Of the mothers receiving prenatal care, 38.8 percent had complications during pregnancy and 35.8 percent of those who received prenatal care had complications. Mothers with births occurring in the 20-24 age group had the highest percentage of births with complications, 37.7 percent, while mothers age 45 and over had the highest percentage of births with complications, 53.8 percent.

highest percentage of mothers, 88.2 percent, who began prenatal care in the first trimester of pregnancy. Of the mothers who began prenatal care in the second trimester, only 34.0 percent received prenatal care in the first trimester. The percentage of mothers receiving no prenatal care was 1.1 percent.

PERCENTAGE OF RESIDENT BIRTHS BY AGE OF MOTHER
WHEN PRENATAL CARE BEGAN, VIRGINIA, 1988

Age of Mother						
15-19	20-24	25-29	30-34	35-39	40-44	45+
100.0	100.0	100.0	100.0	100.0	100.0	100.0
58.5	73.7	85.2	88.2	88.1	84.5	53.8
30.6	19.6	11.0	8.9	9.1	10.1	42.3
6.9	4.1	2.1	1.4	1.5	3.3	0.0
2.9	1.6	0.7	0.5	0.6	1.2	3.8
1.1	1.0	0.9	1.0	0.8	1.0	0.0

In 1988, 60.4 percent saw a physician 10 to 19 times. The median number of prenatal visits was 12.2. The percentage of mothers seen by a physician 30 or more times was 1.1 percent.

For every 100 live births, 58.5 mothers had one or more complications of pregnancy were identified. Of mothers having live births. Mothers in the 45 and over age group had the highest percentage with complications of pregnancy, 53.8 percent.

PERCENTAGE OF PREGNANCY BY AGE OF MOTHER
WHEN PRENATAL CARE BEGAN, VIRGINIA, 1988

Age of Mother							
15-19	20-24	25-29	30-34	35-39	40-44	45+	Unk.
4,021	9,644	11,011	7,783	2,989	478	14	2
39.5	37.7	37.8	39.5	43.2	46.1	53.8	

In 1988, 38.7 percent had complications of pregnancy. Of those who received no prenatal care had complications, 42.7 percent. The lowest percentage of complications, 34.5 percent, occurred in birth order 8 or more.

COMPLICATIONS OF PREGNANCY BY TYPE BY BIRTH ORDER
VIRGINIA, 1988

Type of Complication	Total	Birth Order								
		1	2	3	4	5	6	7	8+	Unk.
Unduplicated Count with Complications	36,039	17,199	11,672	4,859	1,497	478	172	64	70	28
Percent of Births	38.8	42.3	36.5	35.7	34.5	36.5	34.5	35.6	42.7	
<u>All Complications</u>	<u>63,812</u>	<u>30,606</u>	<u>20,763</u>	<u>8,424</u>	<u>2,574</u>	<u>831</u>	<u>311</u>	<u>122</u>	<u>137</u>	<u>44</u>
Complications related to pregnancy	8,447	4,389	2,396	1,080	338	142	52	19	23	8
Conditions in the mother complicating pregnancy	6,059	2,744	1,896	906	323	102	47	17	20	4
Complications affecting delivery	30,952	14,313	10,431	4,209	1,296	403	151	64	67	18
Type of delivery if specified on certificate	18,354	9,160	6,040	2,229	617	184	61	22	27	14

Congenital Anomalies. In 1988, there were 571 infants born with one or more congenital anomalies reported, or 0.6 percent of total live births. Of the total congenital anomalies, Polydactyly was, by far, the most common condition reported for nonwhites (32.7 percent), while cleft palate and cleft lip (10.4 percent) were the most common anomalies reported for whites.

In 1988, mothers in the 15-24 and 45 and over age groups had the highest percentage of births with anomalies reported (0.7 and 7.7 percent, respectively).

CONGENITAL ANOMALIES BY AGE OF MOTHER
VIRGINIA, 1988

Congenital Anomalies	Total	Age of Mother							
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45+
Unduplicated Count with Anomalies	571	1	68	176	159	116	43	6	2
Percent of Births	0.6	0.4	0.7	0.7	0.5	0.6	0.6	0.6	7.7

NUMBER AND PERCENT OF CONGENITAL ANOMALIES BY TYPE BY RACE
VIRGINIA, 1988

Type of Anomaly	Total		White		Nonwhite	
	Number	Percent	Number	Percent	Number	Percent
Unduplicated Count with Anomalies	571		416		155	
TOTAL ANOMALIES REPORTED	638	100.0	470	100.0	168	100.0
Anencephalus	7	1.1	5	1.1	2	1.2
Spina bifida	22	3.4	16	3.4	6	3.6
Other anomalies of nervous system	28	4.4	23	4.9	5	3.0
Anomalies of eye	5	0.8	3	0.6	2	1.2
Anomalies of ear, face, and neck	11	1.7	10	2.1	1	0.6
Bulbus cordis anomalies and anomalies of cardiac septal closure	5	0.8	5	1.1		0.0
Other anomalies of heart	29	4.5	24	5.1	5	3.0
Other anomalies of circulatory system	11	1.7	9	1.9	2	1.2
Anomalies of respiratory system	16	2.5	13	2.8	3	1.8
Cleft palate and cleft lip	56	8.8	49	10.4	7	4.2
Other anomalies of upper alimentary tract	7	1.1	7	1.5		
Other anomalies of digestive system	11	1.7	9	1.9	2	1.2
Undescended testicle	24	3.8	14	3.0	10	6.0
Hypospadias and epispadias	50	7.8	36	7.7	14	8.3
Other anomalies of genitourinary system	38	6.0	32	6.8	6	3.6
Congenital dislocation of hip	10	1.6	10	2.1		
Deformities of feet	59	9.2	48	10.2	11	6.5
Polydactyly	77	12.1	22	4.7	55	32.7
Syndactyly	10	1.6	9	1.9	1	0.6
Other anomalies of limbs	36	5.6	31	6.6	5	3.0
Other anomalies of musculoskeletal system	38	6.0	30	6.4	8	4.8
Anomalies of the integument	36	5.6	25	5.3	11	6.5
Down's syndrome	25	3.9	22	4.7	3	1.8
Other chromosomal anomalies	3	0.5	2	0.4	1	0.6
Other and unspecified anomalies	24	3.8	16	3.4	8	4.8

Month of Birth. An average of 254 children were born each day to Virginia residents. The daily averages by month ranged from a high of 278 in August to a low of 234 in January.

DAILY AVERAGE OF BIRTHS BY MONTH
VIRGINIA, 1988

Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
254	234	243	250	241	248	257	269	278	273	255	242	252

Out-of-State Occurrences. In 1988, 4,975, or 5.4 percent, of the infants born to Virginia residents were born out-of-state. Of these births, 2,340, or 47.0 percent, occurred in the District of Columbia. The six areas bordering Virginia (D.C., Maryland, West Virginia, Kentucky, Tennessee, and North Carolina) accounted for 95.5 percent of Virginia's out-of-state births.

The 2,450 births occurring in Virginia to out-of-state residents represented 2.7 percent of the 90,291 live births occurring in Virginia. The states of residence most frequently recorded for these Virginia-born infants were West Virginia (700), North Carolina (636), and Maryland (629). A total of 92.2 percent of these out-of-state resident births were from the six areas bordering Virginia.

BIRTHS INVOLVING VIRGINIA AND BORDERING STATES
VIRGINIA, 1988

State	Virginia residents born out-of-state		Out-of-state residents born in Virginia	
	Number	Percent	Number	Percent
TOTAL	4,975	100.0	2,450	100.0
District of Columbia	2,340	47.0	151	6.2
Maryland	958	19.3	629	25.7
Tennessee	701	14.1	41	1.7
West Virginia	360	7.2	700	28.6
North Carolina	350	7.0	636	26.0
Kentucky	43	0.9	103	4.2
Other states	222	4.5	178	7.3
Foreign countries	1	0.0	12	0.5

INFANT MORTALITY

In Virginia in 1988, infant deaths increased to 965, or 5.5 percent more than the 1987 figure of 915. The resulting rate of 10.4 was up from 10.1, the lowest ever recorded for the State. Virginia's infant mortality rate remained higher than the preliminary United States rate of 9.9.

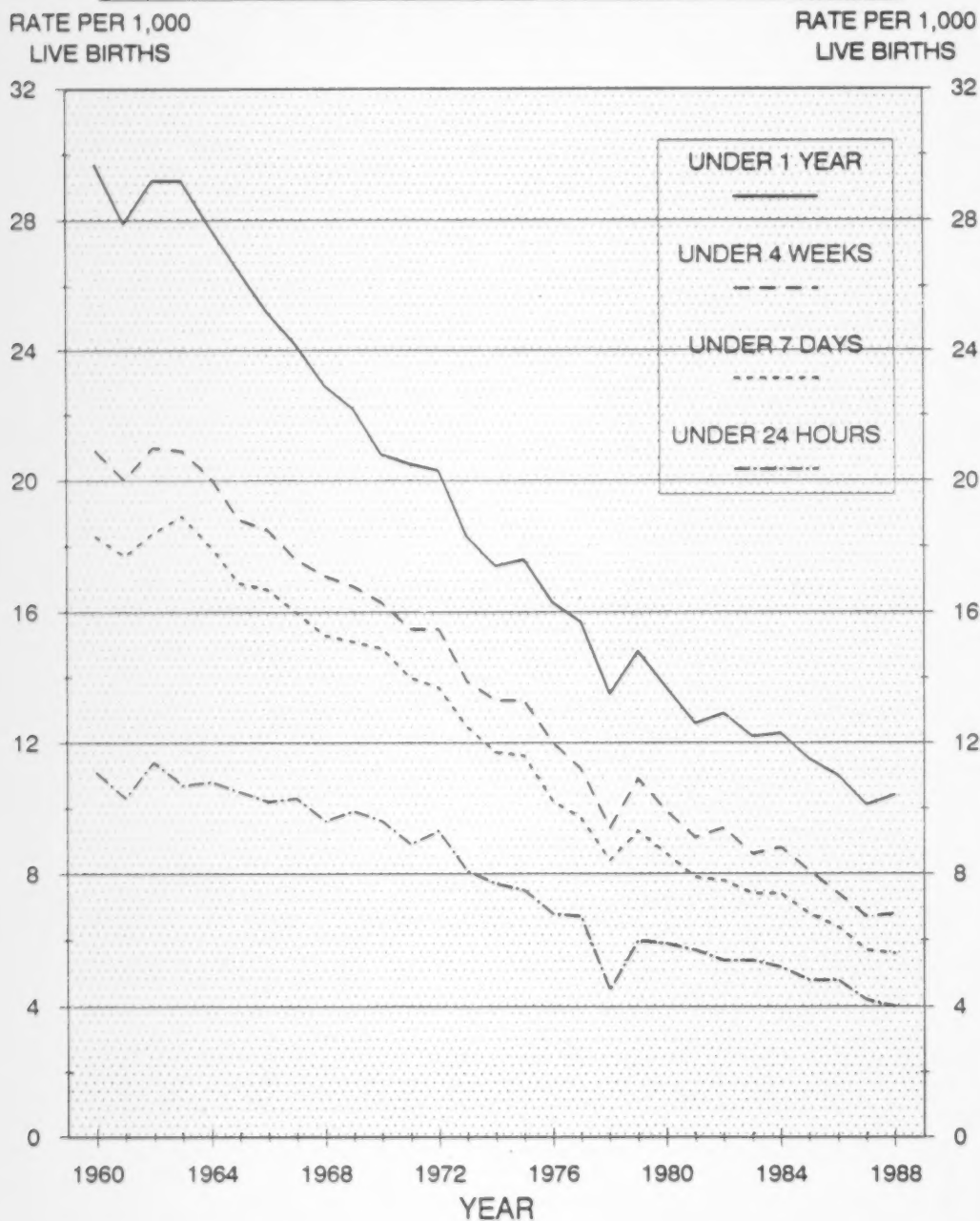
In 1988, there were 633 neonatal deaths (infants under 28 days) resulting in a rate of 6.8 per 1,000 live births. The comparable figures for 1987 were 601 neonatal deaths with a rate of 6.7.

Race. White infant deaths increased from 539 in 1987 to 549 in 1988 and non-white infant deaths increased from 376 to 416. The 1988 rates of infant deaths per 1,000 live births were 8.0 and 16.9 for whites and nonwhites, respectively.

RESIDENT INFANT DEATHS BY RACE WITH RATES
PER 1,000 LIVE BIRTHS, VIRGINIA, 1984-1988

Year	Total		White		Nonwhite	
	Number	Rate	Number	Rate	Number	Rate
1984	1,014	12.3	606	9.9	408	19.2
1985	990	11.5	589	9.2	401	18.2
1986	958	11.0	565	8.8	393	17.3
1987	915	10.1	539	8.1	376	16.0
1988	965	10.4	549	8.0	416	16.9

CHART D
RESIDENT INFANT DEATH RATES BY AGE AT DEATH
VIRGINIA, 1960-1988



Cause of Death. Among the 965 infant deaths for Virginia residents, 186, or 19.3 percent, were attributed to congenital anomalies; 115, or 11.9 percent to disorders relating to short gestation and low birth weight; 56, or 5.8 percent, to respiratory distress syndrome; and 116, or 12.0 percent, to sudden infant death syndrome. The group of causes, conditions originating in the perinatal period, accounted for 292 infant deaths.

RESIDENT INFANT DEATHS BY CAUSE WITH RATES PER 100,000 LIVE BIRTHS
VIRGINIA AND UNITED STATES, 1988

Cause of Infant Death	Virginia		United States*
	Number	Rate	Rate
TOTAL INFANT DEATHS	965	1,039.7	992.9
Certain gastrointestinal diseases (008-009, 535,555-558)	6	6.5	4.4
Pneumonia and influenza (480-487)	9	9.7	14.4
Congenital anomalies (740-759)	186	200.4	207.2
Disorders relating to short gestation and low birth weight (765)	115	123.9	90.9
Birth trauma (767)	2	2.2	4.6
Intrauterine hypoxia and birth asphyxia (768)	14	15.1	20.3
Respiratory distress syndrome (769)	56	60.3	80.4
Other conditions originating in the perinatal period (760-764,766,770-779)	292	314.6	273.2
Sudden infant death syndrome (798.0)	116	125.0	117.4
All other causes	169	182.1	179.7

*Provisional

Age at Death. In 1988, there were 373 infants who failed to survive one day and 520 who died within their first week of life. Infants who died before the age of one month (633) accounted for 65.6 percent of the total infant deaths.

PERCENT OF TOTAL INFANT DEATHS IN EACH AGE GROUP BY RACE
VIRGINIA, 1988

Race	Total Infant Deaths	Age at Death						
		Less than 1 day	1-6 days	Under 1 week	7-27 days	Under 28 days	1-5 Mos.	6-11 Mos.
Total	100.0	38.7	15.2	53.9	11.7	65.6	26.1	8.3
White	100.0	35.9	14.8	50.6	11.7	62.3	27.5	10.2
Nonwhite	100.0	42.3	15.9	58.2	11.8	70.0	24.3	5.8

MATERNAL DEATHS

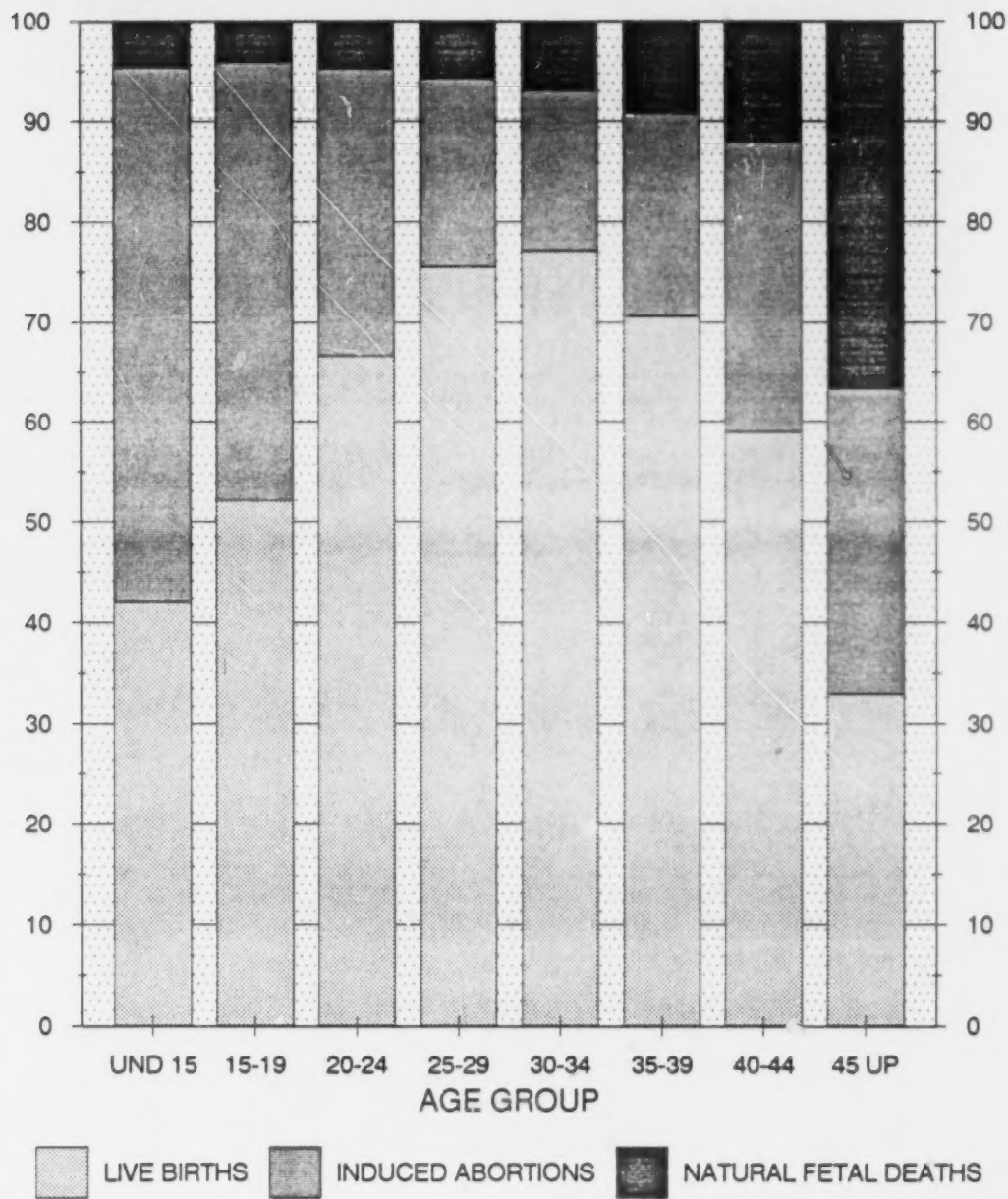
In 1988, the deaths of ten Virginia women were caused by maternal conditions, giving a rate of 10.8 maternal deaths per 100,000 live births. Both the number and rate of maternal deaths increased over the 1987 figure of 6 deaths, or 6.6 per 100,000 live births.

MATERNAL DEATHS BY CAUSE AND BY RACE
VIRGINIA, 1988

Cause of Death	Total	White	Nonwhite
TOTAL	10	5	5
Ectopic Pregnancy (633)	1		1
Unspecified Abortion (637)	1		1
Hypertension Complicating Pregnancy, Childbirth, and the Puerperium (642)	3	2	1
Major Puerperal Infections (670)	1	1	
Venous Complications in Pregnancy (671)	2	1	1
Obstetrical Pulmonary Embolism (673)	1	1	
Other and Unspecified Complications of the Puerperium, Not Elsewhere Classified (674)	1		1

CHART E
PERCENT TERMINATION TYPE OF TOTAL PREGNANCIES
BY AGE GROUP, VIRGINIA, 1988

PERCENT OF
 PREGNANCIES



ALL PREGNANCY TERMINATIONS

A total of 134,349 pregnancy terminations (live births and all fetal deaths) were reported for Virginia residents in 1988, 4,398 more than in the previous year. This 3.4 percent increase resulted from 1988 increases in live births, induced abortions, and natural fetal deaths.

RESIDENT PREGNANCY TERMINATIONS BY TYPE VIRGINIA, 1979-1988

Year	Total Pregnancy Terminations	Live Births	All Fetal Deaths		
			Total	Induced Abortions	Natural Fetal Deaths
1979	112,559	76,899	35,660	29,455	6,205
1980	114,933	78,423	36,510	30,062	6,448
1981	116,075	79,278	36,797	30,166	6,631
1982	117,565	81,098	36,467	30,012	6,455
1983	116,856	80,779	36,077	29,598	6,479
1984	120,257	82,662	37,595	30,819	6,776
1985	124,073	85,984	38,089	31,094	6,995
1986	126,499	87,125	39,374	31,977	7,397
1987	129,951	90,314	39,637	32,436	7,201
1988	134,349	92,816	41,533	33,637	7,896

For females in the under 15 age group, there were more induced abortions than live births. The largest age-specific rates for births and natural fetal deaths were in the 25-29 year age group. For total pregnancy terminations and for induced abortions the highest rates were in the 20-24 year age group.

PREGNANCY TERMINATIONS, LIVE BIRTHS, ALL FETAL DEATHS, INDUCED ABORTIONS AND NATURAL FETAL DEATHS PER 1,000 FEMALES BY AGE VIRGINIA, 1988

Age	Total Pregnancy Terminations	Live Births	All Fetal Deaths		
			Total	Induced Abortions	Natural Fetal Deaths
TOTAL*	91.5	63.2	28.3	22.9	5.4
Under 15#	14.2	5.9	8.2	7.5	0.7
15-19	87.4	45.6	41.8	38.2	3.7
20-24	159.9	106.5	53.3	45.7	7.7
25-29	145.9	110.2	35.7	27.3	8.4
30-34	95.4	73.6	21.8	15.2	6.6
35-39	39.6	27.9	11.6	7.9	3.7
40-44	7.8	4.6	3.2	2.3	0.9
45 & over#	2.2	0.7	1.5	0.7	0.8

*Rates are based on population age group 15-44.

#Rates are based on population ages 14 or 45 only.

ALL FETAL DEATHS

The 41,533 fetal deaths of all types occurring to Virginia residents in 1988 represented an increase of 1,896 or 4.8 percent, over the previous year. All fetal deaths reported for white residents increased 3.7 percent and fetal deaths for nonwhites increased 7.0 percent.

The fetal death total includes induced abortions which accounted for 81.0 percent of all fetal deaths. All other fetal deaths are referenced as natural fetal deaths throughout this report.

INDUCED ABORTIONS

During 1988, at least 33,637 Virginia residents received induced abortions, an increase of 3.7 percent over the 1987 figure of 32,436. Although there is no regular interstate exchange of abortion information among states, some abortions for residents of Virginia that occurred in other states are included. In addition to the 32,022 Virginia resident induced abortions that occurred in the State, at least 1,615 abortions were reported for Virginia residents in other states.

A total of 34,029 induced abortions occurred in Virginia in 1988, 3.3 percent more than in the previous year. Of these, 2,007, or 5.9 percent, were for residents of other areas.

INDUCED ABORTIONS VIRGINIA, 1988

Location	Total	White	Nonwhite
Occurring in Virginia	34,029	22,008	12,021
Residents of Virginia	32,022	20,772	11,250
Residents of other areas	2,007	1,236	771
Occurring to Virginia residents	33,637	22,024	11,613
In Virginia	32,022	20,772	11,250
Out-of-State	1,615	1,252	363

Race and Age. Almost two-thirds (65.5 percent) of the 33,637 Virginia residents known to have had induced abortions were white. The induced abortion rate per 1,000 white women aged 15-44 was 19.4, while the comparable figure for nonwhites was 34.7. The State figure for all women was 22.9 per 1,000 females aged 15-44, up from the 22.4 rate for 1987.

RESIDENT INDUCED ABORTIONS BY WOMAN'S AGE BY RACE WITH AGE SPECIFIC RATES PER 1,000 FEMALES, VIRGINIA, 1988

Age	Numbers			Rates per 1,000 Females		
	Total	White	Nonwhite	Total	White	Nonwhite
TOTAL*	33,637	22,024	11,613	22.9	19.4	34.7
Under 15#	298	136	162	7.5	4.7	15.6
15-19	8,525	5,851	2,674	38.2	34.9	47.8
20-24	10,966	7,060	3,906	45.7	38.6	68.3
25-29	7,210	4,604	2,606	27.3	22.6	42.8
30-34	4,070	2,581	1,489	15.2	12.5	24.1
35-39	1,966	1,326	640	7.9	6.9	11.9
40-44	511	388	123	2.3	2.2	2.8
45 & over#	24	19	5	0.7	0.7	0.7
Not stated	67	59	8			

*Rates based on population group 15-44.

#Rates based on population ages 14 and 45 only.

Age category 20-24 accounted for nearly one-third of Virginia's resident abortions. The age-specific rate for this group was 45.7 per 1,000 women. For 15-19 year olds, the age specific rate of 38.2 for 1988 increased from the 1987 figure of 35.5. The median ages for total, white, and nonwhite groups were 23.5, 23.4 and 23.7, respectively. The median age for white and nonwhite women having induced abortions has generally gone up over the past ten years.

MEDIAN AGES OF RESIDENT WOMEN RECEIVING
INDUCED ABORTIONS BY RACE
VIRGINIA, 1979-1988

Year	Total	White	Nonwhite
1979	22.0	21.7	22.8
1980	22.2	21.9	23.0
1981	22.4	22.1	23.1
1982	22.6	22.3	23.3
1983	22.9	22.8	23.3
1984	22.8	22.6	23.3
1985	23.0	22.8	23.3
1986	23.1	23.0	23.4
1987	23.4	23.4	23.5
1988	23.5	23.4	23.7

Illegitimate Induced Abortions. More than four-fifths (84.7 percent) of the women receiving induced abortions in 1988 were not married to the father at the time of the abortion. The comparable figure for 1988 live births was 23.8. The percent illegitimate of induced abortions for 1988 increased over the 1987 figure of 82.8 percent.

The percentages of induced abortions that were illegitimate were highest for the youngest age groups and generally decreased as age at abortion increased. The nonwhite rates, however, were higher than the white rates at all age levels except for the under 15 and 45 and over age groups.

RESIDENT ILLEGITIMATE INDUCED ABORTIONS BY WOMAN'S AGE
WITH PERCENT ILLEGITIMATE, VIRGINIA, 1988

Age	Illegitimate			Percent Illegitimate		
	Total	White	Nonwhite	Total	White	Nonwhite
TOTAL	28,485	18,515	9,970	84.7	84.1	85.9
Under 15	298	136	162	100.0	100.0	100.0
15-19	8,280	5,651	2,629	97.1	96.6	98.3
20-24	9,555	6,104	3,451	87.1	86.5	88.4
25-29	5,649	3,577	2,072	78.3	77.7	79.5
30-34	2,999	1,877	1,122	73.7	72.7	75.4
35-39	1,341	886	455	68.2	66.8	71.1
40-44	298	223	75	58.3	57.5	61.0
45 & over	13	12	1	54.2	63.2	20.0
Not stated	52	49	3			

Gestation and Procedure. Of the 33,588 resident abortions for which the gestation period was known, at least 99.1 percent were under 20 weeks gestation. Over one-third (46.4 percent) were 8-9 weeks gestation. Only 0.9 percent of the induced abortions were 20 weeks or more gestation.

For 32,700, or 97.2 percent, of the induced abortions, suction curettage was the procedure used to terminate pregnancy. Sharp curettage was done for 39 terminations. Intrauterine saline instillation and intrauterine prostaglandin instillation were the methods used for 42, or 14.5 percent, of the pregnancy terminations of 20 weeks or more gestation.

RESIDENT INDUCED ABORTIONS, PROCEDURES USED TO TERMINATE PREGNANCY BY GESTATION
VIRGINIA, 1988

Procedure	Total	Gestation (in Weeks)							
		Under 6	6-7	8-9	10-11	12-13	14-19	20 & Over	Unk.
TOTAL	33,637	813	7,113	15,575	6,513	2,263	1,022	289	49
Suction Curettage	32,700	792	6,980	15,306	6,343	2,197	835	213	34
Sharp Curettage	39	8	13	6	4	4	3		1
Intrauterine saline instillation	81	1	1			2	51	25	1
Intrauterine prostaglandin instillation	44			1		1	25	17	
Hysterectomy	22		1			1	7	13	
Hysterotomy	11	1	1	5			3	1	
Other	170	2	28	20	5	3	90	19	3
Unknown	570	9	89	237	161	55	8	1	10

Place of Residence. The largest number of induced abortions (4,597) was reported for residents of Fairfax County. Following were Virginia Beach with 2,614, Richmond City with 2,234, Norfolk with 2,138, Henrico with 1,576, Prince William with 1,362, Alexandria with 1,348, Newport News with 1,261, Chesterfield with 1,207, and Hampton with 1,058. All other areas had less than 1,000 residents reporting induced abortions.

NATURAL FETAL DEATHS

Natural fetal deaths, as shown below for the years 1979-1988, are the total fetal deaths for those years less the instances where the pregnancy termination was indicated as induced.

RESIDENT NATURAL FETAL DEATHS BY RACE
VIRGINIA, 1979-1988

Year	Total	White	Nonwhite
1979	6,205	4,420	1,785
1980	6,448	4,620	1,828
1981	6,631	4,835	1,796
1982	6,455	4,671	1,784
1983	6,479	4,738	1,741
1984	6,776	4,989	1,787
1985	6,995	5,186	1,809
1986	7,397	5,490	1,907
1987	7,201	5,292	1,909
1988	7,896	5,682	2,214

Resident natural fetal deaths totaled 7,896 in 1988 reflecting a 9.7 percent increase over the previous year. The rate was 85.1 per 1,000 live births.

Gestation. Only 10.3 percent of the natural fetal deaths occurred at 20 weeks or more gestation; for nonwhites, the percentage was 15.6, much higher than the comparable percentage of 8.3 for whites.

RESIDENT NATURAL FETAL DEATHS
RACE BY LENGTH OF GESTATION
VIRGINIA, 1988

Length of Gestation	Total		White		Nonwhite	
	Number	Percent	Number	Percent	Number	Percent
TOTAL	7,896	100.0	5,682	100.0	2,214	100.0
Under 20 weeks	7,081	89.7	5,212	91.7	1,869	84.4
20-27 weeks	416	5.3	210	3.7	206	9.3
28 weeks & over	399	5.1	260	4.6	139	6.3

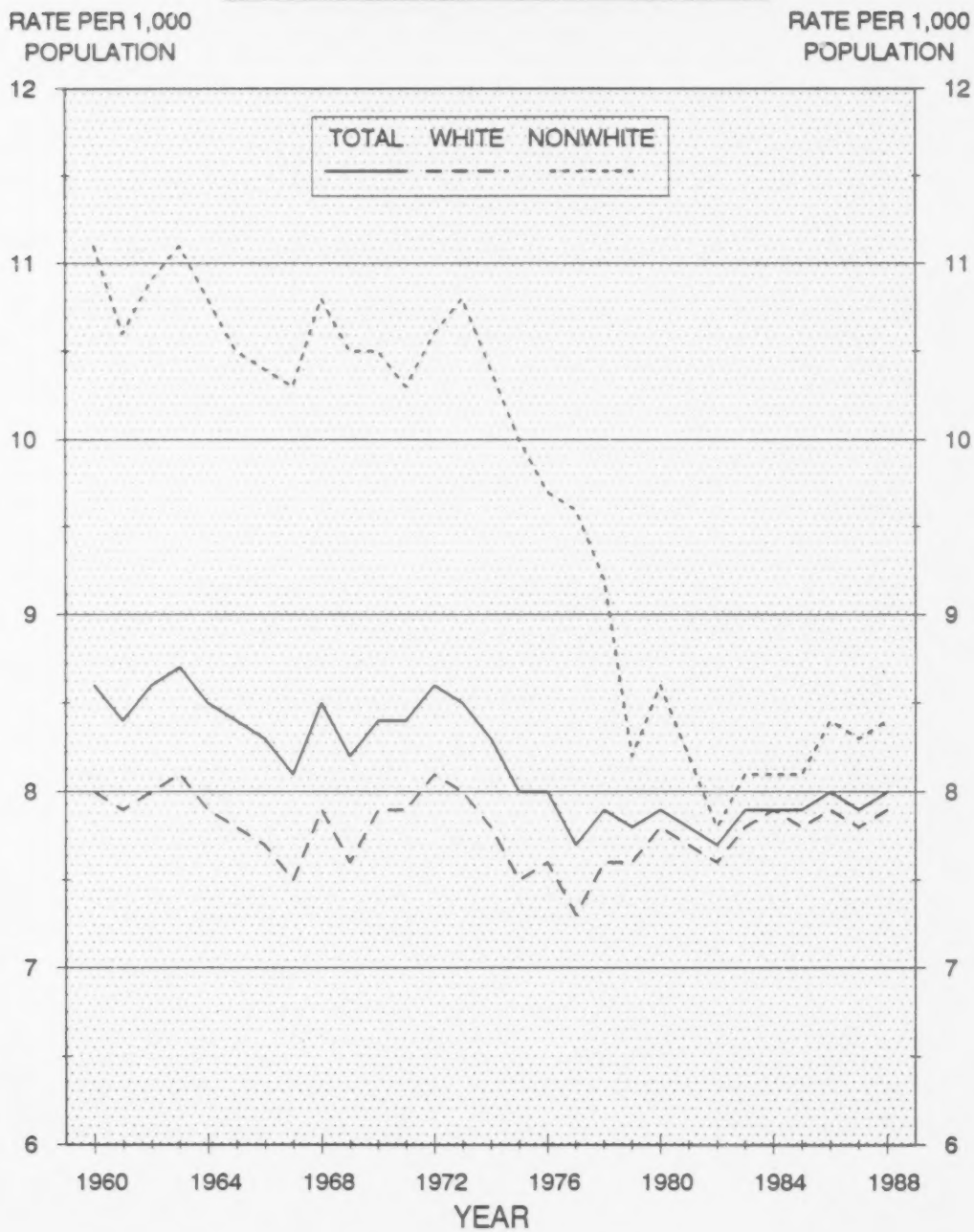
Age. The median age of women having natural fetal deaths was 27.7 in 1988, compared to 26.8 for live births and 23.5 for induced abortions. Natural fetal deaths accounted for 5.9 percent of total pregnancies that ended during 1988. This statistic ranged from 4.2 percent for the 15-19 age group to a high of 36.7 percent for women 45 and over, increasing with each age group beyond age group 15-19.

NATURAL FETAL DEATHS BY AGE WITH
PERCENT OF TOTAL PREGNANCY TERMINATIONS
VIRGINIA, 1988

Natural Fetal Deaths	Total	Age Group							
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45+ Unk.
Number	7,896	26	823	1,843	2,228	1,770	916	213	29 48
Percent of Pregnancy Terminations	5.9	4.7	4.2	4.8	5.8	6.9	9.4	12.1	36.7

Cause. A non-specific reason was mentioned for the cause of the fetal death on 78.9 percent of these records. Of the 1,664 specified causes, ectopic pregnancy with 791 placed first. Blighted ovum (303) and conditions in the placenta (147) ranked second and third, respectively.

CHART F
RESIDENT DEATH RATES BY RACE
VIRGINIA, 1960-1988



RESIDENT DEATHS

In 1988, the number of deaths for Virginia residents was 47,557, an increase of 939, or 2.0 percent, over the 46,618 deaths reported in 1987. The resulting death rate of 8.0 per 1,000 population has changed little since 1984. The comparable provisional rate for the United States was 8.8 per 1,000 population in 1988.

NUMBER OF RESIDENT DEATHS AND DEATH RATES
PER 1,000 POPULATION BY RACE
VIRGINIA, 1984-1988

Year	Total		White		Nonwhite	
	Number	Rate	Number	Rate	Number	Rate
1984	44,252	7.9	34,507	7.9	9,745	8.1
1985	45,236	7.9	35,331	7.8	9,905	8.1
1986	46,476	8.0	36,059	7.9	10,417	8.4
1987	46,618	7.9	36,163	7.8	10,455	8.3
1988	47,557	8.0	36,734	7.9	10,823	8.4

Median Age at Death. For all Virginia residents, the median age at death was 73.2, slightly higher than 1987. The white and nonwhite median ages at death also increased slightly over 1987. The median ages at death for Virginia males increased by 0.1 years, for Virginia females by 0.3 years.

MEDIAN AGE AT DEATH BY RACE BY SEX
VIRGINIA, 1987 AND 1988

Sex	Total		White		Nonwhite	
	1987	1988	1987	1988	1987	1988
Total	72.9	73.2	74.1	74.2	68.7	68.9
Male	69.6	69.7	70.5	70.6	66.5	66.5
Female	76.8	77.1	78.1	78.3	71.8	72.0

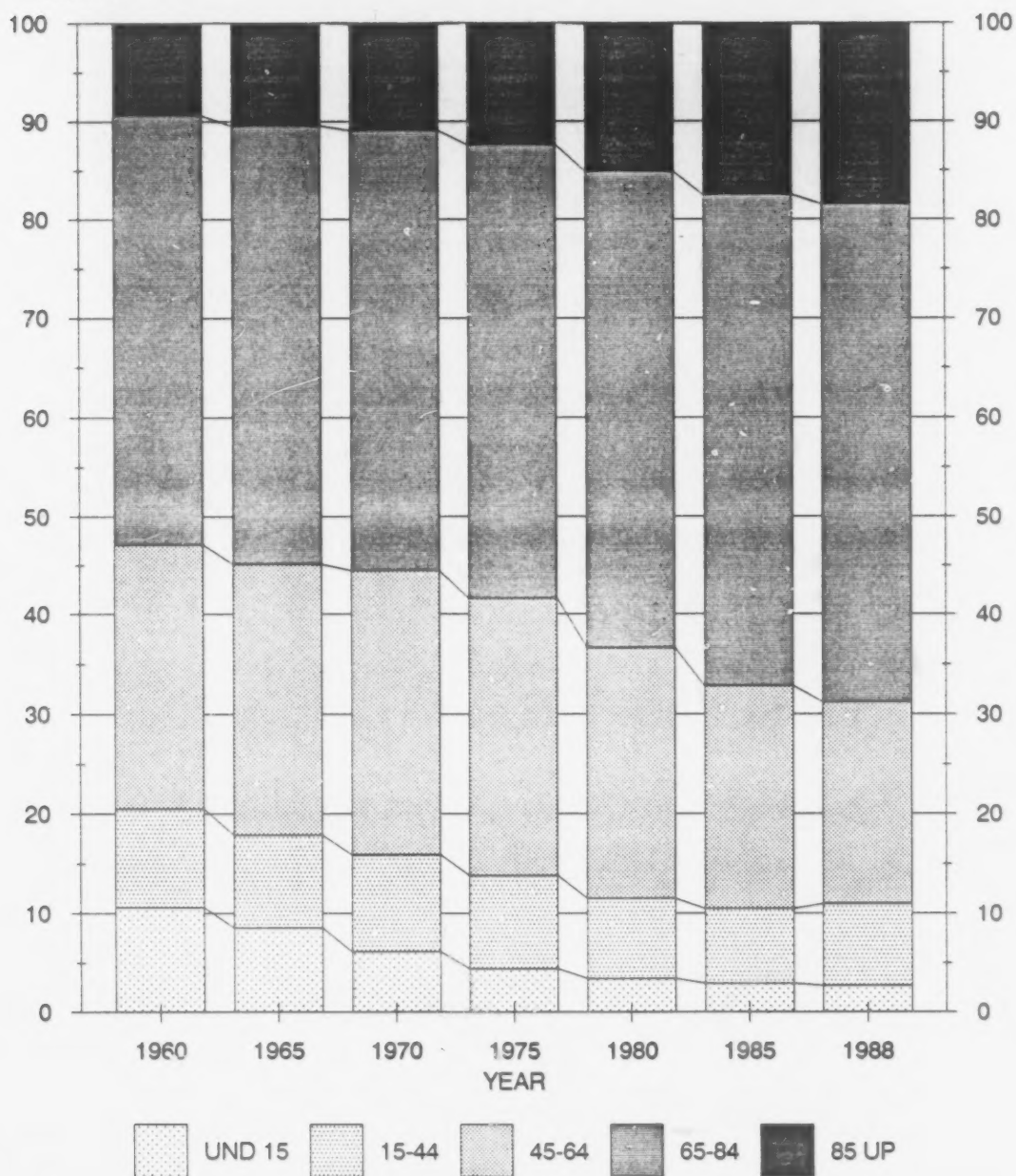
Month of Death. March had the greatest frequency of deaths with 4,475, but February had the largest daily average (145). The lowest number of deaths occurred in August (3,600), which also had the lowest daily average, 116.

DAILY AVERAGE OF RESIDENT DEATHS BY MONTH
VIRGINIA, 1988

Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
130	139	145	144	131	125	121	119	116	121	130	131	137

CHART G
PERCENT OF RESIDENT DEATHS BY AGE GROUP
VIRGINIA, 1960-1988

PERCENT OF
DEATHS



Out-of-State Occurrences. Of the resident total deaths, 6.0 percent occurred outside the State. The District of Columbia and the states that border Virginia accounted for 84.2 percent of these deaths. Of the 2,186 deaths which occurred to out-of-state residents in Virginia, 66.3 percent involved those who were residents of the bordering areas.

DEATHS INVOLVING VIRGINIA AND BORDERING AREAS
VIRGINIA, 1988

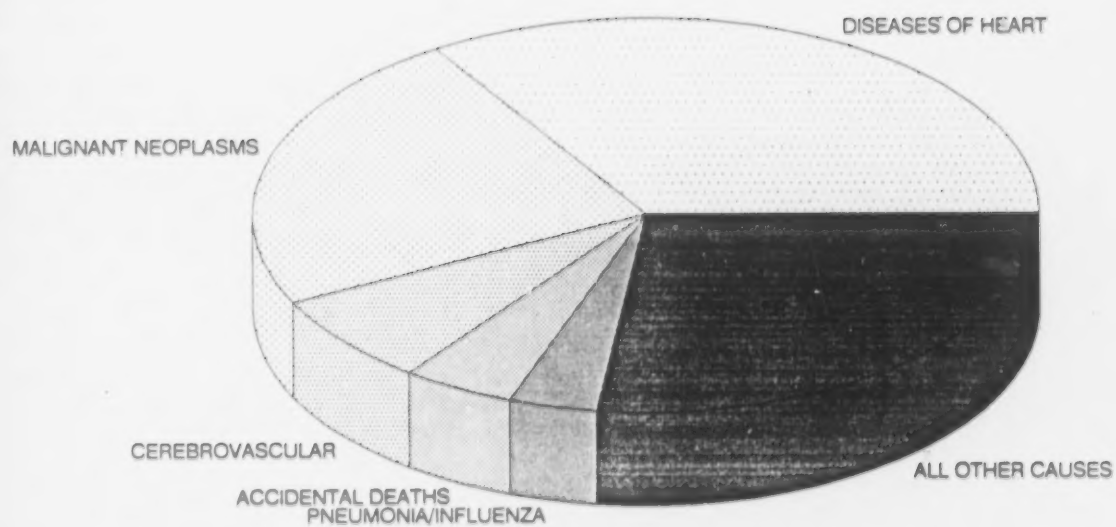
Area	Virginia residents dying out-of-state		Out-of-state residents dying in Virginia	
	Number	Percent	Number	Percent
TOTAL	2,840	100.0	2,186	100.0
Tennessee	762	26.8	65	3.0
District of Columbia	515	18.1	88	4.0
North Carolina	421	14.8	587	26.9
Maryland	360	12.7	195	8.9
West Virginia	311	11.0	478	21.9
Kentucky	23	0.8	35	1.6
Other	448	15.8	738	33.8

Leading Causes of Death. During the past 38 years, the four leading causes of death have been diseases of heart, malignant neoplasms, cerebrovascular disease, and accidents, ranking first to fourth, respectively, each year. These four causes together accounted for more than seven out of every ten Virginia resident deaths from 1966 to 1986, dropping to 69.8 percent in 1987 and to 69.3 percent in 1988.

NUMBER AND RATE PER 100,000 POPULATION FOR THE MAJOR CAUSES OF DEATH
FOR SELECTED YEARS, VIRGINIA, 1950-1988

Year	Diseases of Heart		Malignant Neoplasms		Cerebrovascu- lar Diseases		All Accidents	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1950	9,941	299.5	3,389	102.1	3,653	110.1	2,058	62.0
1955	10,825	295.8	4,058	110.9	3,881	106.1	2,005	54.8
1960	12,512	314.1	4,730	118.8	4,153	104.3	2,000	50.2
1965	13,698	309.5	5,534	125.0	4,256	96.2	2,442	55.2
1970	14,494	310.7	6,383	136.8	4,175	89.5	2,588	55.5
1975	14,587	293.7	7,463	150.3	3,932	79.2	2,508	50.5
1980	15,733	294.3	9,139	170.9	3,750	70.1	2,450	45.8
1985	16,036	280.1	10,455	182.6	3,510	61.3	2,176	38.0
1986	15,981	275.5	10,825	186.6	3,552	61.2	2,273	39.2
1987	15,988	272.2	10,789	183.7	3,438	58.5	2,302	39.2
1988	16,143	271.4	11,088	186.4	3,516	59.1	2,212	37.2

CHART H
FIVE LEADING CAUSES OF DEATH
VIRGINIA, 1988



Deaths from malignant neoplasms have generally been increasing in number as well as in rate, with some decline in both in 1987 but increases again in 1988. The respiratory system with 3,332 and the digestive organs and peritoneum with 2,511 were the sites most often reported as primary. These sites accounted for more than one-half of all resident deaths attributed to malignant neoplasms.

LEADING CAUSES OF RESIDENT DEATHS BY RACE AND SEX, VIRGINIA, 1988

Cause	Total		White				Nonwhite			
			Male		Female		Male		Female	
	Number	Rank	Number	Rank	Number	Rank	Number	Rank	Number	Rank
ALL CAUSES	47,557		19,079		17,655		6,017		4,806	
Diseases of heart (390-398,402,404-429)	16,143	1	6,599	1	6,173	1	1,755	1	1,616	1
Malignant neoplasms (140-208)	11,088	2	4,659	2	3,988	2	1,434	2	1,007	2
Cerebrovascular diseases (430-438)	3,516	3	1,013	4	1,636	3	402	4	465	3
Accidents, all types (E800-E949)	2,212	4	1,140	3	507	6	418	3	147	5
Pneumonia & influenza (480-487)	1,736	5	678	6	772	4	169	6	117	6
Chronic obstructive pulmonary diseases (490-496)	1,641	6	828	5	627	5	126	8	60	11
Suicide (E950-E959)	756	7	523	7	146	11	70	11	17	18
Diabetes mellitus (250)	752	8	225	9	267	7	108	9	152	4
Septicemia (038)	640	9	185	10	257	8	97	10	101	7
Chronic liver disease and cirrhosis (571)	546	10	289	8	140	12	69	12	48	14
Other causes	8,527		2,940		3,142		1,369		1,076	

NOTE: Numbers in parentheses are from ICD, 9th Revision.

HIV Infection (AIDS). In 1988, the second year that separate cause of death codes were used for HIV infection (AIDS-ICD codes 042-044), a total of 259 deaths for residents of Virginia was reported. Of these deaths, 237 or 91.5 percent were males. Most of the deaths (78.8 percent) were in the 25-44 age group which had a rate per 100,000 population of 10.3. The rate of 38.9 per 100,000 for nonwhite males aged 25-44 was the highest for the age/race/sex specific categories.

RESIDENT DEATHS DUE TO HIV INFECTION (AIDS-ICD 042-044) BY AGE, RACE AND SEX, WITH RATES PER 100,000 POPULATION, VIRGINIA, 1988

Race/Sex	Total	Age Groups						
		Under 5	5-14	15-24	25-44	45-64	65-74	75 & Over
TOTAL	259	1	1	10	204	36	6	1
White male	140		1	3	110	23	3	
White female	9	1			5	1	1	1
Nonwhite male	97			6	80	10	1	
Nonwhite female	13			1	9	2	1	
TOTAL RATES	4.4	0.2	0.1	1.0	10.3	3.1	1.5	0.4
White male	6.1	0.0	0.3	0.8	14.1	5.0	2.2	0.0
White female	0.4	0.7	0.0	0.0	0.6	0.2	0.5	0.7
Nonwhite male	15.7	0.0	0.0	5.2	38.9	10.5	3.2	0.0
Nonwhite female	1.9	0.0	0.0	0.9	4.1	1.8	2.4	0.0

Accidental Deaths. Accidents were responsible for the deaths of 2,212 Virginia residents in 1988, a 3.9 percent decline from the 2,302 of 1987. The accidental death rate for 1988 was 37.2 per 100,000 population compared to the provisional United States rate of 39.7.

RESIDENT DEATHS FROM ACCIDENTS AND CAUSES OTHER THAN
ACCIDENTS WITH PERCENTAGES OF TOTAL DEATHS
IN SPECIFIED AGE GROUPS, VIRGINIA, 1988

Age	Accidental Deaths		Non-Accidental Deaths	
	Number	Percent	Number	Percent
TOTAL	2,212	100.0	45,345	100.0
Under 1	23	1.0	942	2.1
1-4	45	2.0	112	0.2
5-14	76	3.4	101	0.2
15-24	413	18.7	433	1.0
25-44	610	27.6	2,474	5.5
45-64	403	18.2	9,216	20.3
65-74	231	10.4	11,119	24.5
75 and over	410	18.5	20,940	46.2
Unknown	1	0.0	8	0.0

As in previous years, accidents was the leading cause of death for Virginians in age groups 1-4 years, 5-14 years, 15-24 years and 25-44 years. These age groups accounted for only 3,120, or 6.9 percent, of the 45,345 non-accidental deaths; but, 51.7 percent of all accidental deaths occurred in these age groups. Accidents accounted for 534, or 45.3 percent, of the 1,180 deaths of Virginians aged 1 through 24.

Males accounted for 70.4 percent of the accidental deaths compared to 52.8 percent of all deaths. White males alone were more than half (51.5 percent) of the accidental death victims. For most types of accidents, males had a much higher number of deaths than females.

RESIDENT ACCIDENTAL DEATHS BY LEADING TYPES OF ACCIDENTS BY SEX
VIRGINIA, 1988

Type of Accident	Total	Male	Female
TOTAL	2,212	1,558	654
Motor vehicle (E810-E825)	1,020	741	279
Falls (E880-E888)	314	173	141
Poisoning, all types (E850-E869)	154	122	32
Fires (E890-E899)	145	92	53
Suffocation from inhaled or ingested object (E911-E912)	136	74	62
Drowning and submersion (E910)	96	78	18
Excessive heat, cold, or exposure (E900-E904)	47	36	11
Machinery (E919)	44	44	
Surgical and medical misadventures and complications (E870-E879)	38	18	20
Falling or projected object or caught between objects (E916-E918)	28	26	2
Firearms (E922)	28	26	2
Water transport (E830-E838)	25	24	1
Mechanical suffocation (E913)	20	16	4
Aircraft (E840-E845)	18	17	1
Electric current (E925)	14	13	1
Railway (E800-E807)	9	9	
All other	76	49	27

NOTE: Numbers in parentheses are from ICD, 9th Revision.

Motor vehicles, the major cause of accidental deaths, accounted for 46.1 percent of the total. Motor vehicle deaths (1,020) decreased by 5.4 percent from the 1987 figure of 1,078. Virginia's motor vehicle death rate for 1988 was 17.1 per 100,000 population compared to the United States preliminary rate of 20.4 for the same year. Of the total motor vehicle fatalities, 64.7 percent were aged 15 through 44.

The second major cause of accidental deaths was falls, representing 14.2 percent of the total. Of these deaths due to falls, 69.4 percent occurred to those who were 65 years or older.

Of the total accidental deaths, 435, or 19.7 percent, occurred on the home premises. The two principal causes for home accidents were fires (133 deaths) and falls (121 deaths), accounting for 58.4 percent of all home accidental deaths. There were 17 firearm fatalities in the home representing 60.7 percent of the total accidental deaths by this means.

Persons 65 years and older were victims in 34.7 percent of the home accident fatalities. This age group accounted for 29.3 percent of the accidental fire deaths in the home and 64.5 percent of the accidental fall deaths in the home.

CLASSIFICATION OF RESIDENT ACCIDENTAL DEATHS BY RACE, VIRGINIA, 1988

Classification of Accident	Total	White	Nonwhite
TOTAL ACCIDENTAL DEATHS	2,212	1,647	565
Accidental deaths specified as to type:			
Motor vehicle (E810-E825)	1,020	785	235
Other transport (E800-E807, E826-E848)	54	41	13
Home (E850-E949, home)	426	278	148
Other (E850-E949, residual)	712	543	169

NOTE: Numbers in parentheses are from ICD, 9th Revision.

Suicide. Suicide, the seventh leading cause of death in 1988, has been among the ten leading causes of death since 1966. There were 756 suicide deaths recorded for Virginia residents in 1988, resulting in a decrease of 8.9 percent from the 830 occurring in 1987. Virginia's rate, 12.7 deaths per 100,000 population, was higher than the United States preliminary rate of 12.3 for 1988.

Suicides were more frequent among whites than nonwhites. While nonwhites comprised 21.6 percent of the population in 1988, only 11.5 percent of the suicidal deaths occurred in that group. Of all suicides, 69.2 percent involved white males; 19.3 percent, white females; 9.3 percent, nonwhite males; and 2.2 percent, nonwhite females.

RESIDENT SUICIDES BY AGE, BY RACE AND SEX
WITH RATES PER 100,000 POPULATION, VIRGINIA, 1988

Race/Sex	Total	Age Groups							
		Under 15	15-24	25-34	35-44	45-54	55-64	65-74	75 & Over
TOTAL	756	4	114	190	132	103	95	71	47
White male	523		84	125	89	62	68	56	39
White female	146	3	15	35	25	31	22	10	5
Nonwhite male	70	1	12	24	12	9	5	5	2
Nonwhite female	17		3	6	6	1			1
TOTAL RATES*	15.9	0.3	11.9	17.9	14.3	16.0	18.8	17.8	19.1
White male	28.7	0.0	22.3	30.3	24.3	23.5	34.7	40.2	57.9
White female	7.4	0.7	4.3	8.6	6.7	11.7	10.2	5.3	3.6
Nonwhite male	14.9	0.6	10.3	20.4	13.6	16.7	12.0	16.1	13.4
Nonwhite female	3.3	0.0	2.7	4.9	6.1	1.6	0.0	0.0	3.9

*Rates for totals of Race/Sex groups based on ages 15 and over.

The largest number (190) of those taking their own lives occurred for the group aged 25-34 years. The greatest age specific rate, however, occurred for persons aged 75 and over. In regard to age-race-sex specific rates, white male rates were highest for all age groups except for the under 15 group. The rates for white males were much higher for groups containing ages 55 and over than for the younger groups.

In 1988, suicide was the third leading cause of death for the age group 15-24 (after accidents and homicides) and it was the fourth leading cause for the age group 25-44 (after accidents, cancer, and heart disease).

Firearms and explosives were the implements used in 68.7 percent of the suicides. Of the 519 deaths by this means, 54.3 percent were under age 45. This method was used by 394, or 75.3 percent, of the 523 white males committing suicide and by 45, or 64.3 percent, of the nonwhite males. Hanging, strangulation and suffocation, the second most used method in 1988, was responsible for 71, or 9.4 percent, of the total suicides; 64.8 percent of these were white males.

RESIDENT SUICIDES BY RACE, SEX AND METHOD
VIRGINIA, 1988

Method	Total	Race/Sex			
		White Male	White Female	Nonwh Male	Nonwh Female
TOTAL (E950-E959)	756	523	146	70	17
Firearms and explosives (E955)	519	394	69	45	11
Hanging, strangulation, and suffocation (E953)	71	46	13	11	1
Poisoning by drugs and medicaments (E950.0-E950.5)	68	25	39	2	2
Poisoning by domestic and other gases (E951-E952)	47	30	14	3	
Jumping from high places (E957)	11	7	2	2	
Submersions (drownings) (E954)	11	3	5	2	1
Cutting and piercing instruments (E956)	10	8	1	1	
Poisoning by other solid and liquid substances (E950.6-E950.9)	3	2		1	
Other and unspecified means (E958)	16	8	3	3	2

NOTE: Numbers in parentheses are from ICD, 9th Revision.

Homicides. Of the 47,557 deaths occurring to Virginia residents in 1988, homicides accounted for 1.0 percent. The 496 total homicides represented an increase of 5.1 percent over the 472 homicidal deaths in 1987. Virginia's death rate resulting from homicides, 8.3 per 100,000 population, has increased since 1987. The United States estimated rate for 1988 was 9.0.

In 1988, 210 of the homicide victims were white and 286 were nonwhite, producing rates of 4.5 and 22.2 per 100,000 population, respectively. Homicide was the fifth ranking cause of death for nonwhite males, the tenth for nonwhite females, the thirteenth for white males, and the fifteenth for white females.

Homicide was the second leading cause of death for the 15-24 age group and fifth for the 25-44 age group. The median age at death for homicide victims was 30.2 years. For white males, it was 33.8 years; for white females, 33.6 years; for nonwhite males, 29.0 years; and for nonwhite females, 29.1 years.

Firearms and explosives were the implements used in 316, or 63.7 percent, of the homicides in 1988. Assault by cutting and piercing instruments, with 90, was the second most frequently used method. Seven deaths were the result of injuries inflicted through legal intervention.

RESIDENT HOMICIDE DEATHS BY RACE BY METHOD
VIRGINIA, 1988

Method	Total	White	Nonwhite
TOTAL (E960-E978)	496	210	286
Assault by:			
Firearms and explosives (E965)	316	131	185
Cutting and piercing instruments (E966)	90	31	59
Hanging and strangulation (E963)	13	9	4
Fight, brawl, rape (E960)	3	2	1
Corrosive or caustic substance and poisoning (E961-E962)	2	2	
Submersion (drowning) (E964)	1		1
Other and unspecified means (E968)	56	28	28
Child battering and other maltreatment (E967)	8	3	5
Injury due to legal intervention (E970-E978)	7	4	3

NOTE: Numbers in parentheses are from ICD, 9th Revision.

MARRIAGES

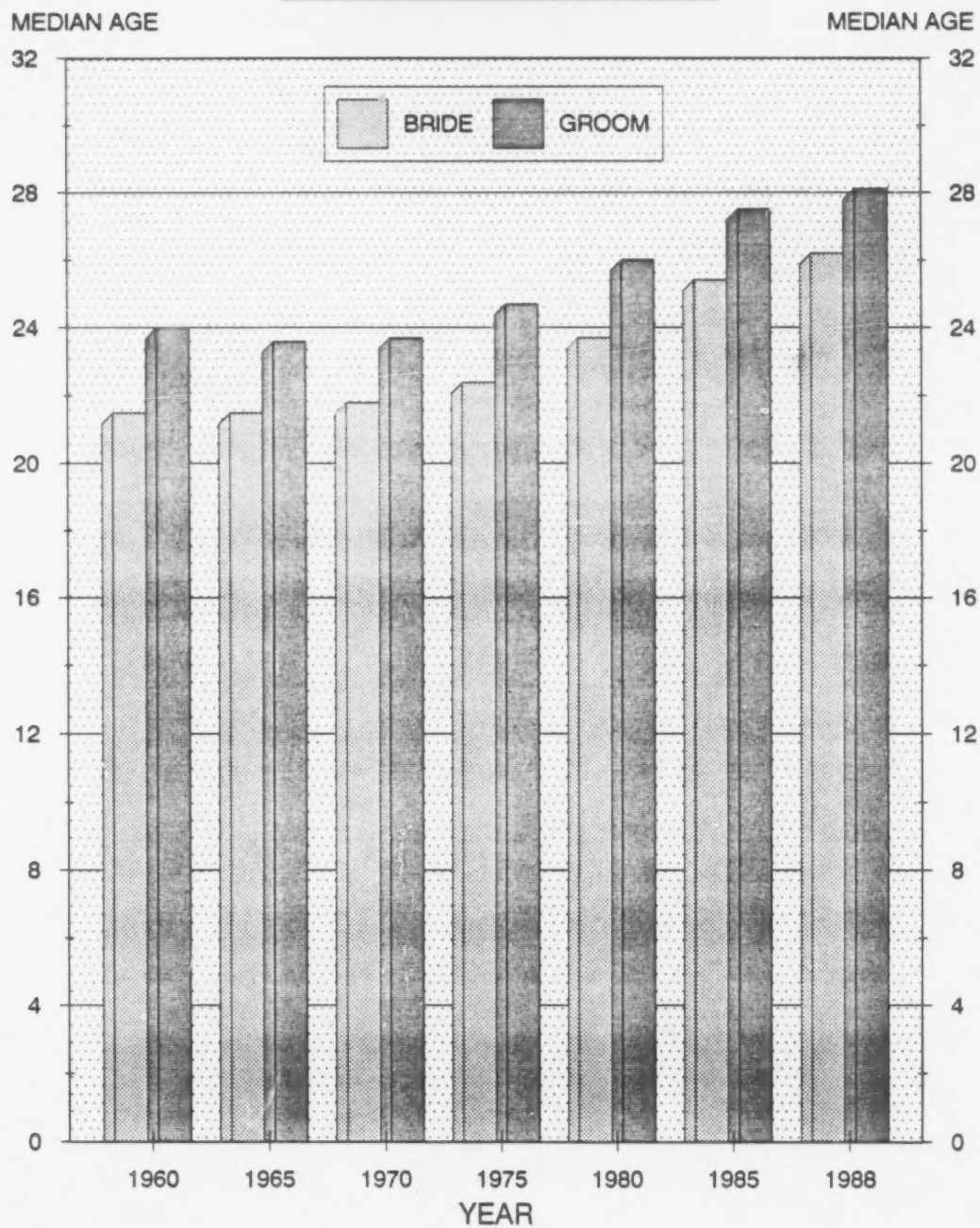
In 1988, 68,947 marriages were performed in Virginia, an increase of 1,943, or 2.9 percent, over the 67,004 marriages recorded in 1987. Virginia's rate of 11.6 per 1,000 population for 1988 was higher than the United States provisional rate of 9.7 per 1,000 population.

MARRIAGES BY RACE AND SEX
VIRGINIA, 1988

Race/Sex	Total	White Females	Black Females	Other Females
TOTAL	68,947	56,004	11,407	1,536
White males	55,940	54,843	466	631
Black males	11,830	856	10,897	77
Other males	1,177	305	44	828

Race. Marriages between white males and white females increased 3.3 percent over the previous year. For marriages where both parties were black, there was also an increase (0.2 percent).

CHART I
MEDIAN AGE AT MARRIAGE
VIRGINIA, 1960-1988



There were 2,379 interracial marriages in 1988, with 1,322 of these being between whites and blacks. A total of 856 involved black males and white females, and 466 were between white males and black females. There were 121 marriages recorded between persons classified as black and "other" race, while 936 involved "other" race and whites.

Place of Residence. For 52,622 marriages (76.3 percent), both the bride and the groom were residents of Virginia. There were 3,443 marriages (5.0 percent) between resident brides and non-resident grooms, and 1,855 (2.7 percent) between non-resident brides and resident grooms.

Marriages in which both bride and groom were non-residents of Virginia numbered 11,025 in 1988, 16.0 percent of the total number of marriages performed. This was an increase of 0.5 percent over the 1988 number of 10,975. States of residence most frequently reported by non-resident brides and grooms from the same state married in Virginia were West Virginia, Pennsylvania, North Carolina and Maryland.

MARRIAGES WHERE AT LEAST ONE PARTY WAS A NON-RESIDENT
BY STATE OF RESIDENCE, VIRGINIA, 1988

State of Residence	Both from Same State	Bride's State	Groom's State
West Virginia	2,625	2,915	2,863
Pennsylvania	1,307	1,500	1,503
North Carolina	956	1,219	1,540
Maryland	919	1,424	1,584
District of Columbia	782	1,062	1,082
Ohio	686	781	846
Tennessee	383	519	580
Kentucky	306	373	372
New York	213	362	577
New Jersey	200	297	322

Fairfax county, with 6,068, led the State in the number of marriages performed. Following in descending order were Virginia Beach (4,400), Norfolk city (3,916), Arlington county (3,286), and Alexandria (2,982). These five cities and counties accounted for 30.0 percent of the total marriages in 1988.

Age. In 1988, twenty-four was the age most frequently stated for grooms. The most frequently stated age for brides was twenty-three. Marriages involving brides under twenty-one constituted 19.0 percent of the total marriages, whereas the percent for grooms was 9.6. Couples where both parties were under twenty-one constituted 7.4 percent of the total marriages. Among the brides, 9,197, or 13.3 percent, and among the grooms, 3,630, or 5.3 percent, were teenagers. The median ages for brides and grooms married in 1988 were 26.2 and 28.1 years, respectively. Comparable 1988 median ages were 25.9 and 27.9.

Marital Status. The 35,440 first marriages for both parties in 1988 accounted for 51.4 percent of the total marriages. The median ages for brides and grooms of these marriages were 22.9 and 24.6, respectively.

Brides who were previously married represented 36.9 percent of the total brides, and previously married grooms represented 35.8 percent of the 1988 grooms. In 1988, the percentages for previously married brides and grooms were 36.2 and 35.6, respectively.

Type Ceremony. The 43,300 religious ceremonies accounted for 62.8 percent of the total 1988 marriages. The number of civil ceremonies (25,542) increased by 1.0 percent over the 1988 figure of 25,280. Civil ceremonies accounted for 37.0 percent of the total marriages in 1988.

MARRIAGE CEREMONIES, NUMBER AND PERCENT
BY TYPE OF CEREMONY, VIRGINIA, 1988

Type of Ceremony	Number	Percent
TOTAL	68,947	100.0
Religious	43,300	62.8
Civil	25,542	37.0
Unknown	105	0.2

Month of Marriage. June, as in previous years, was the most popular month for marriages in 1988. During that month, 7,437 marriages were performed with 68.0 percent of these being religious ceremonies. July with 6,953 and May with 6,732 marriages were the second and third most popular months for marriage in 1988. The fewest marriages occurred in January with 3,261. The daily averages for the months are given in the table below.

DAILY AVERAGE OF MARRIAGES BY MONTH
VIRGINIA, 1988

Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
188	105	149	133	201	217	248	224	209	215	206	167	185

Education. Of the 44,215 grooms marrying for the first time, 83.2 percent had completed at least 12 years of school. Among the 34,562 white grooms married for the first time, 24.0 percent had finished four or more years of college, while 14.3 percent of the 9,653 nonwhite grooms had finished four or more years of college.

Brides marrying for the first time totaled 43,407 with 84.8 percent completing at least four years of high school. White and nonwhite brides completing four or more years of college were 25.9 and 16.8 percent, respectively.

EDUCATION OF GROOMS AND BRIDES MARRYING FOR THE FIRST TIME
PERCENT COMPLETING EACH GRADE LEVEL BY RACE, VIRGINIA, 1988

Race	Total	Elem.		High School		College		Unk.
		0-6	7-8	9-11	12	1-3	4 or more	
Groom								
Total	100.0	1.0	2.2	13.6	43.5	17.8	21.9	0.1
White	100.0	1.1	2.3	13.6	41.5	17.5	24.0	0.0
Nonwhite	100.0	0.7	1.5	13.9	50.7	18.8	14.3	0.1
Bride								
Total	100.0	0.9	1.6	12.7	39.2	21.7	23.9	0.1
White	100.0	1.0	1.7	13.0	38.0	20.2	25.9	0.1
Nonwhite	100.0	0.4	1.3	11.4	43.3	26.7	16.8	0.1

*Less than 0.05 percent.

Of the 24,681 grooms previously married, 80.0 percent completed at least 12 years of school, and 21.1 percent finished four years of college. For the 25,456 previously married brides, 80.7 percent completed at least high school and 13.8 percent finished four years of college.

DIVORCES AND ANNULMENTS

In 1988, 26,013 divorces and annulments were granted in Virginia resulting in a rate of 4.4 per 1,000 population. This was the same as the 1988 rate. However, Virginia's rate was still lower than the 1988 provisional rate of 4.8 for the United States.

The 1988 Virginia total represented a 1.6 percent increase over the 25,608 divorces and annulments recorded in 1988. There was an increase between 1986 and 1988 of 2.9 percent.

Race. There were 602 interracial divorces in 1988 with 227 separating white and black persons. Sixty-four divorces involved white males and black females, and 163 involved black males and white females. Forty-five divorces occurred for persons classified as "other" races and blacks, while 330 divorces involved whites and "other."

DIVORCES AND ANNULMENTS BY RACE AND SEX
VIRGINIA, 1988

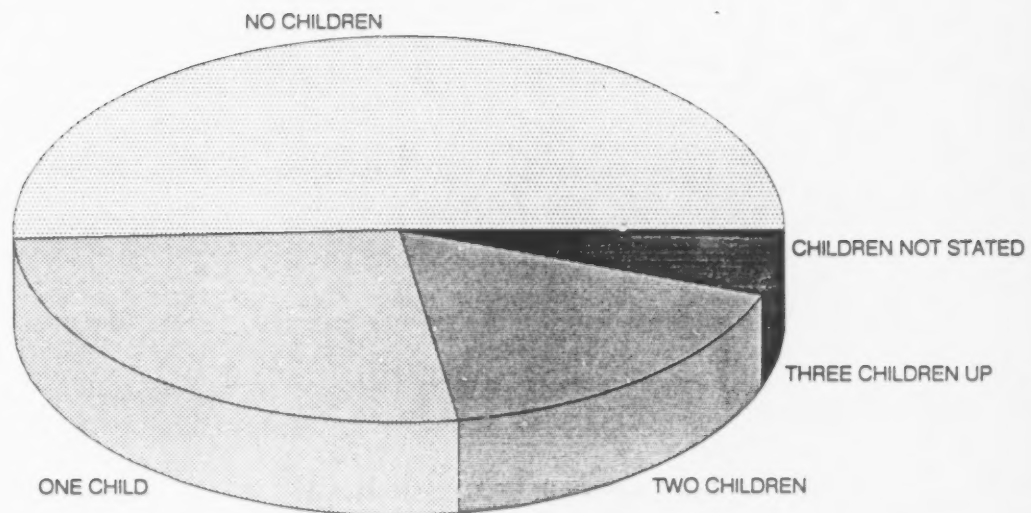
Race/Sex	Total	White Females	Black Females	Other Females
TOTAL	26,013	21,870	3,658	485
White males	21,899	21,606	64	229
Black males	3,772	163	3,579	30
Other males	342	101	15	226

Place of Marriage. Of the total divorces and annulments, 8,269, or 31.8 percent, were granted to persons who were married outside of Virginia.

Age. In 1988, the median age at divorce for all men was 35.2 years, and 32.8 years for all women. Wives under twenty-one were involved in 2.4 percent of all divorces and annulments occurring in 1988, while only 0.7 percent of divorces involved husbands who were under twenty-one.

Children Under 18. In 1988, children under 18 were involved in 48.7 percent of the total divorces and annulments. There were approximately 19,922 such children, 276 more than in 1988. In 43.8 percent of the divorces the couples had one or two children, while 4.9 percent of the divorces involved couples with three or more children. Of the divorces in which the husband was white, 48.1 percent had one or more children as compared to 52.0 percent for those divorces in which the husband was nonwhite.

CHART J
DIVORCES BY NUMBER OF CHILDREN IN FAMILY
VIRGINIA, 1988



PERCENT OF DIVORCES AND ANNULMENTS WITH NUMBER OF CHILDREN IN FAMILY
BY RACE OF HUSBAND, VIRGINIA, 1988

Children Per Family (18 years and under)	Total	White		Nonwhite	
		Number	Percent	Number	Percent
TOTAL	26,013	21,899	100.0	4,114	100.0
None	13,184	11,237	51.3	1,947	47.3
1 child	6,964	5,837	26.7	1,127	27.4
2 children	4,433	3,692	16.9	741	18.0
3 children	1,049	838	3.8	211	5.1
4 or more children	222	161	0.7	61	1.5
Not stated	161	134	0.6	27	0.7

Grounds for Divorce. Virginia law allows divorce for only a limited number of reasons. In 1988, a total of 94.2 percent of the divorces were granted on grounds of separation for more than one year and 2.8 percent for desertion. In 57.9 percent of the cases, the divorce was granted to the wife. Annulments totaled 71 in 1988.

NUMBER OF DIVORCES AND ANNULMENTS BY CAUSE WITH PERCENT
BY PERSON TO WHOM DIVORCE WAS GRANTED, VIRGINIA, 1988

Cause	Total	Person to Whom Granted					
		Husband		Wife		Other/Unknown	
		Number	Percent	Number	Percent	Number	Percent
TOTAL	26,013	10,418	40.0	15,050	57.9	545	2.1
Separation	24,511	9,941	40.6	14,120	57.6	450	1.8
Desertion	718	253	35.2	450	62.7	15	2.1
Adultery, Sodomy	294	126	42.9	162	55.1	6	2.0
Cruelty	170	13	7.6	149	87.6	8	4.7
Imprisonment	60	5	8.3	54	90.0	1	1.7
Other/Unknown	189	55	29.1	75	49.7	59	31.2
Annulments	71	25	35.2	40	56.3	6	8.5

Marital Status. Couples for which both parties were ending their first marriage accounted for 63.0 percent of the total number of divorces granted. For women getting divorced in 1988, 73.3 were ending their first marriage and 21.0, their second marriage. Comparable percentages for men getting divorced were 73.4 and 21.1.

Duration of Marriage. The median duration of marriage to separation for all divorces was 5.4 years. For divorces in which the husband was white, the median length of time from marriage to separation was 5.6 years, while for divorces in which the husband was nonwhite, the comparable length of time was 4.8 years. For 20.9 percent of the divorces, the couples separated in less than two years, 31.9 percent in 2-5 years, 16.7 percent in 6-9 years, and 28.8 percent in 10 years or more. The duration of marriage to separation was stated as unknown on 457 of the records.

Place of Divorce. The largest number of divorces and annulments were granted in Fairfax county (2,848) which includes Fairfax City and Falls Church. This area was followed by Virginia Beach (1,975), Norfolk (1,228), Henrico (1,054), and Prince William (1,046) which includes Manassas and Manassas Park.

Month of Divorce. December, with 2,689, was the month with the greatest frequency of divorces. Following in descending order were June (2,462), August (2,296), March (2,295), and May (2,226). The average numbers of divorces per day by month for 1988 are shown in the following table.

DAILY AVERAGE OF DIVORCES AND ANNULMENTS BY MONTH
VIRGINIA, 1988

Total	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
71	54	63	74	70	72	82	67	74	71	70	69	87

Education. Of the 26,013 husbands receiving divorces in 1988, 19,940, or 76.7 percent, had completed at least 12 years of school. Among the 21,899 white husbands, 16,999, or 77.6 percent, had finished 12 years or more of school, while only 2,941, or 71.5 percent, of the 4,114 nonwhite husbands had finished 12 years or more.

EDUCATION OF DIVORCED HUSBANDS AND WIVES
PERCENT COMPLETING EACH GRADE LEVEL BY RACE
VIRGINIA, 1988

Race	Total	Elem.		High School		College		Unk.
		0-6	7-8	9-11	12	1-3	4 or more	
Husband								
Total	100.0	2.0	4.8	14.4	41.7	16.4	18.6	2.1
White	100.0	1.8	4.7	14.0	41.6	16.2	19.9	1.9
Nonwhite	100.0	3.4	5.3	16.9	42.2	17.8	11.5	2.9
Wife								
Total	100.0	1.0	3.1	13.4	45.8	19.5	14.9	2.3
White	100.0	0.9	3.1	13.0	46.1	19.3	15.5	2.1
Nonwhite	100.0	1.5	3.2	15.6	44.1	20.7	11.9	2.9

Among the wives, 80.2 percent had completed 12 or more years of education. White and nonwhite wives completing 12 or more years of education were 80.9 and 76.7 percent, respectively. Education was unknown for 2.1 percent of the husbands and 2.3 percent of the wives.

CREMATIONS

In April, 1980, as required by Virginia Statute, the Department of Health began keeping information on the number of cremations that occur in Virginia. During 1988, a total of 4,460 cremations were reported by crematories registered with the Division of Vital Records, giving a ratio of 9.5 cremations per 100 deaths recorded in Virginia. Fairfax reported the largest number of cremations in 1988, 880. This figure is low, however, since Fairfax cremations for out-of-state deaths are not included. The 1988 cremation figure represents a 11.8 percent increase over the 3,991 figure for 1987.

NUMBER OF CREMATIONS BY MONTH OCCURRING IN
CREMATORIES REGISTERED WITH DIVISION OF VITAL RECORDS
VIRGINIA, 1988

City or County of Location	Total	Month of Occurrence											
		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
TOTAL CREMATIONS	4,460	393	399	399	378	363	335	326	349	344	385	390	399
Alexandria	274	29	19	23	13	25	24	21	21	21	30	23	25
Bedford City	201	20	14	16	13	18	14	21	17	13	14	20	21
Charlottesville	6												6
Fredericksburg	61							8	13	13	10	4	13
Hampton	131	20	10	15	11	9	11	12	9	5	11	7	11
Harrisonburg	195	15	19	24	19	14	11	13	17	13	15	26	9
Newport News	164	11	17	18	16	7	8	6	17	16	18	17	13
Norfolk	400	37	17	43	36	35	29	24	36	29	37	47	30
Salem	192	18	20	23	12	16	10	17	13	13	15	18	17
Virginia Beach	400	40	36	29	34	29	33	28	29	42	25	27	48
Winchester	119	12	10	13	8	11	10	7	10	8	15	6	9
Arlington	502	40	54	36	46	40	34	34	34	41	39	46	58
Clarke	50	5	7	3	6	6	3	4	1	4	5	4	2
Fairfax*	880	79	94	79	89	84	79	57	60	52	74	69	64
Goochland	401	32	57	39	43	39	30	21	24	28	34	27	27
Henrico	391	34	23	36	32	28	35	37	31	31	37	37	30
Orange	17							4	5	4	1		3
Prince William	55						2	8	11	11	2	11	10
Tazewell	21	1	2	2		2	2	4	1		3	1	3

*Does Not Include Cremations Where Deaths Occurred Out-of-State.



Data Tables

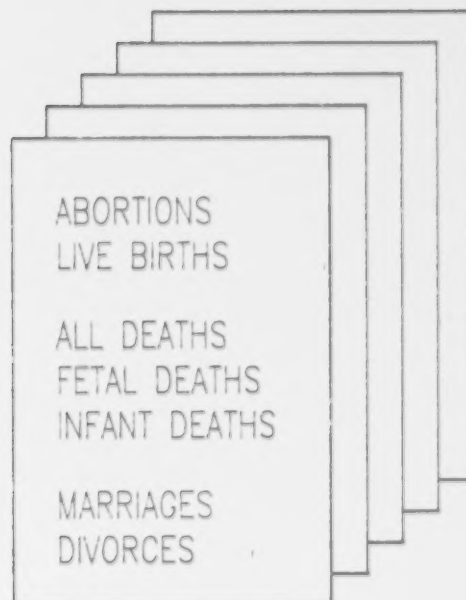


TABLE 1 - VITAL EVENTS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE WITH RATES
(MARRIAGES AND DIVORCES BY PLACE OF OCCURRENCE), VIRGINIA, 1988

Planning District/ City or County	Live Births		All Deaths		Infant Deaths		Induced Abortions	Natural Fetal Deaths	Marriages	Divorces	Estimated Total Population
	Number	Rate	Number	Rate	Number	Rate					
STATE OF VIRGINIA	92,816	15.6	47,557	8.0	965	10.4	33,637	7,896	68,947	26,013	5,948,376
District 1	1,127	10.5	1,026	9.6	11	9.8	166	23	1,502	410	107,239
Lee	289	10.2	274	9.7	1	3.5	41	1	281	111	28,318
Scott	235	9.0	278	10.7	3	12.8	33	3	391	78	25,980
Wise	545	11.4	426	8.9	5	9.2	87	16	759	220	47,982
Norton	58	11.7	48	9.7	2	34.5	5	3	71	1	4,959
District 2	1,427	9.6	1,195	8.0	11	7.7	181	128	1,987	487	148,926
Buchanan	371	9.3	259	6.5	2	5.4	57	38	668	90	39,687
Dickenson	207	9.7	187	8.7	2	9.7	17	8	225	83	21,409
Russell	310	9.1	258	7.5	3	9.7	46	37	351	117	34,203
Tazewell	539	10.1	491	9.2	4	7.4	61	45	745	197	53,627
District 3	1,968	10.4	1,939	10.2	25	12.7	392	171	2,334	780	189,331
Blind	59	8.5	68	9.8	1	16.9	8	3	98	23	6,955
Carroll	278	9.6	267	9.3	4	14.4	58	25	373	157	28,823
Grayson	180	10.5	191	11.1		0.0	33	21	208	74	17,162
Smyth	375	10.9	364	10.6	5	13.3	47	27	364	157	34,366
Washington	500	10.1	435	8.8	7	14.0	123	34	527	186	49,704
Wythe	283	10.6	300	11.2	3	10.6	79	45	380	118	26,795
Bristol	200	10.8	229	12.4	3	15.0	31	2	332	65	18,457
Galax	93	13.2	85	12.0	2	21.5	13	14	74	*	7,069
District 4	1,684	11.2	1,153	7.7	12	7.1	755	149	2,762	633	150,461
Floyd	131	10.5	110	8.8	1	7.6	31	11	106	52	12,471
Giles	179	9.8	185	10.1		0.0	36	8	1,560	89	18,294
Montgomery	835	12.1	412	6.0	6	7.2	443	85	594	301	69,062
Pulaski	413	11.3	335	9.2	4	9.7	96	37	390	138	36,488
Radford	126	8.9	111	7.8	1	7.9	149	8	112	53	14,146
District 5	3,161	12.1	2,716	10.4	31	9.8	1,228	357	2,836	1,268	261,586
Alleghany	161	10.9	120	8.2	2	12.4	17	11	105	79	14,712
Botetourt	259	10.2	183	7.2	1	3.9	60	25	177	102	25,382
Craig	30	11.6	41	9.5		0.0	11	5	35	30	4,314
Roanoke	775	9.8	680	8.6	3	3.9	333	102	665	387	79,474
Clifton Forge	50	9.7	107	20.7		0.0	11	3	146	15	5,180
Covington	76	9.7	95	12.1	1	13.2	26	8	293	*	7,828
Roanoke City	1,515	15.1	1,228	12.3	19	12.5	617	161	1,075	527	100,051
Salem	275	11.2	262	10.6	5	18.2	153	42	340	128	24,645
District 6	2,650	12.0	2,011	9.1	15	5.7	644	233	2,284	944	221,300
Augusta	579	11.1	432	8.3		0.0	251	40	389	240	51,995
Bath	57	10.2	64	11.5		0.0	3	2	132	32	5,575
Highland	30	9.5	31	9.8		0.0	3		63	7	3,152
Rockbridge	213	11.4	191	10.2	3	14.1	41	8	169	113	18,748
Rockingham	773	13.6	459	8.1	5	6.5	233	73	535	319	56,654
Buena Vista	76	10.9	70	10.0	1	13.2	7	7	103	22	6,981
Harrisonburg	311	11.1	215	7.7	3	9.6	32	44	209	*	27,895
Lexington	65	9.5	71	10.4		0.0	24	11	95	*	6,828
Staunton	290	11.6	283	11.4		0.0	27	43	338	112	24,895
Waynesboro	256	13.8	195	10.5	3	11.7	23	5	251	99	18,577
District 7	2,130	14.5	1,456	9.9	13	6.1	285	209	3,354	721	146,844
Clarke	137	12.8	114	10.6	2	14.6	30	14	114	28	10,715
Frederick	587	14.9	269	6.8	3	5.1	61	34	255	185	39,473
Page	282	13.4	210	10.0	2	7.1	53	35	185	81	21,005
Shenandoah	368	12.1	323	10.7	4	10.9	30	44	347	149	30,314
Warren	391	16.3	235	9.8		0.0	70	50	310	135	24,002
Winchester	365	17.1	305	14.3	2	5.5	41	32	2,143	143	21,335
District 8	22,872	17.8	6,625	5.2	172	7.5	9,004	1,681	15,784	5,460	1,283,292
Arlington	2,507	16.1	1,172	7.5	14	5.6	940	141	3,286	694	155,567
Fairfax	12,157	17.1	3,179	4.5	83	6.8	4,597	823	6,068	2,848	708,993
Loudoun	1,489	21.3	440	6.3	14	9.4	421	103	885	339	69,812
Prince William	3,917	21.5	665	3.6	30	7.7	1,362	323	1,511	1,046	182,537
Alexandria	1,708	15.8	786	7.3	19	11.1	1,348	205	2,982	533	108,411
Fairfax City	365	17.5	146	7.0	4	11.0	175	8	73	*	20,916
Falls Church	118	12.2	69	7.1		0.0	48	7	418	*	9,669
Manassas	491	24.2	137	6.7	8	16.3	107	62	555	*	20,313
Manassas Park	120	17.0	31	4.4		0.0	6	9	6	*	7,074
District 9	1,653	15.6	961	9.1	9	5.4	438	164	1,135	451	105,894
Culpeper	408	16.4	260	10.5	3	7.4	107	56	219	95	24,843
Fauquier	712	16.4	352	8.1	4	5.6	184	57	507	200	43,427
Madison	151	13.7	115	10.4	1	6.6	23	12	89	44	11,017
Orange	277	13.6	170	8.4	1	3.6	109	32	244	84	20,345
Rappahannock	105	16.8	64	10.2		0.0	15	7	76	28	6,262
District 10	2,262	14.0	1,357	8.4	21	9.3	999	233	1,455	629	161,170
Albemarle	916	13.8	434	6.5	6	6.6	351	77	486	272	66,360
Fluvanna	193	16.9	98	8.6	3	15.5	55	11	101	47	11,421
Greene	171	18.4	80	8.6	1	5.8	36	17	68	28	9,295
Louisa	268	13.4	197	9.9	3	11.2	82	29	170	80	19,974
Nelson	153	12.2	167	13.3	1	6.5	55	13	87	39	12,527
Charlottesville	561	13.5	381	9.2	7	12.5	420	86	543	163	41,593
District 11	2,736	13.0	1,978	9.4	23	8.4	820	308	1,854	809	211,261
Anneke	369	12.3	268	8.9	2	5.4	112	36	245	103	30,072
Appomattox	169	13.0	131	10.1	2	11.8	44	22	114	41	13,034
Bedford	516	12.2	341	8.1	6	11.6	102	48	343	203	42,190
Campbell	632	12.8	348	7.0	2	3.2	164	49	344	211	49,486
Bedford City	72	11.1	111	17.1	1	13.9	20	10	30	*	6,483
Lynchburg	978	14.0	779	11.1	10	10.2	378	143	778	249	69,996

(continued)

TABLE 1 - VITAL EVENTS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE WITH RATES
(MARRIAGES AND DIVORCES BY PLACE OF OCCURRENCE), VIRGINIA, 1988 (continued)

Planning District/ City or County	Live Births		All Deaths		Infant Deaths		Induced Abortions	Natural Fetal Deaths	Marriages	Divorces	Estimated Total Population
	Number	Rate	Number	Rate	Number	Rate					
STATE OF VIRGINIA	92,816	15.6	47,557	8.0	965	10.4	33,637	7,896	68,947	26,013	5,948,376
District 12	3,023	12.2	2,351	9.5	43	14.2	954	340	2,412	1,069	267,673
Franklin	491	12.6	313	8.0	6	12.2	115	44	313	136	38,993
Henry	750	13.1	420	7.2	11	14.5	301	58	438	298	57,943
Patrick	174	9.5	164	9.0	3	17.2	37	9	180	82	18,250
Pittsylvania	617	9.0	543	8.0	6	9.7	314	88	449	239	68,276
Danville	769	17.1	690	15.3	13	16.9	129	122	614	252	45,050
Martinsville	214	11.2	221	11.5	4	18.7	58	19	416	62	19,161
District 13	945	11.2	1,000	11.9	13	13.8	324	105	747	288	84,355
Brunswick	176	10.9	179	11.1	1	5.7	78	23	139	44	16,175
Halifax	332	10.8	352	11.4	2	6.0	119	32	251	141	30,772
Mecklenburg	344	11.5	379	12.6	9	26.2	105	37	298	103	29,978
South Boston	93	12.5	90	12.1	1	10.8	22	13	59	*	7,430
District 14	1,164	13.4	1,055	12.1	13	11.2	343	119	810	337	86,850
Amelia	131	14.5	106	11.7	1	7.6	31	21	91	30	9,031
Buckingham	189	15.2	158	12.7	2	10.6	40	14	100	45	12,440
Charlotte	181	15.6	163	14.1	3	16.6	39	18	114	35	11,577
Cumberland	114	13.5	95	11.2	2	17.5	22	9	74	41	8,468
Lunenburg	133	10.8	155	12.6	0	0.0	50	16	112	54	12,275
Nottoway	204	13.6	220	14.6	3	14.7	56	13	160	68	15,019
Prince Edward	212	11.8	158	8.8	2	9.4	105	28	159	64	18,020
District 15	11,108	15.6	6,229	8.7	126	11.3	5,490	1,141	6,682	3,300	713,005
Charles City Co.	90	13.1	55	8.0	2	22.2	42	7	77	18	6,859
Chesterfield	2,991	15.8	895	4.7	25	8.4	1,207	350	1,315	935	189,884
Goochland	188	14.0	128	9.6	2	10.6	52	16	120	43	13,398
Hanover	827	14.1	448	7.7	12	14.5	275	87	545	289	58,489
Henrico	3,164	15.6	1,787	8.8	24	7.6	1,576	379	1,947	1,054	202,548
New Kent	135	12.1	84	7.6	3	22.2	51	18	89	53	11,121
Powhatan	176	11.4	103	6.7	2	11.4	53	15	146	57	15,420
Richmond City	3,537	16.4	2,729	12.7	56	15.8	2,234	269	2,443	851	215,286
District 16	2,645	17.6	1,000	8.7	22	8.3	832	241	1,550	661	150,098
Caroline	282	14.1	153	7.6	3	10.6	111	33	163	56	20,069
King George	221	17.9	101	8.2	1	4.5	41	16	151	58	12,357
Spotsylvania	917	20.8	270	6.1	8	8.7	218	79	325	256	44,003
Stafford	832	15.6	296	5.5	5	6.0	247	68	464	223	53,465
Fredericksburg	393	19.5	180	8.9	5	12.7	215	45	447	68	20,204
District 17	535	12.2	607	13.9	6	11.2	157	22	375	152	43,744
Lancaster	123	10.6	159	13.7	1	8.1	40	3	121	39	11,634
Northumberland	105	10.2	159	15.4	3	28.6	30	1	91	32	10,292
Richmond	84	11.5	106	14.5	1	11.9	27	5	49	26	7,316
Westmoreland	223	15.4	183	12.6	1	4.5	60	13	114	55	14,502
District 18	1,002	13.8	779	10.8	13	13.0	275	76	600	267	72,426
Essex	105	11.4	103	11.2	3	0.0	39	6	63	26	9,216
Gloucester	476	17.0	262	9.3	7	14.7	109	33	244	133	28,029
King and Queen	100	15.3	80	12.2	1	10.0	28	11	54	23	6,553
King William	149	14.0	84	7.9	1	6.7	55	13	84	31	10,666
Mathews	64	6.9	118	12.8	1	15.6	21	4	60	29	9,211
Middlesex	108	12.3	132	15.1	3	27.8	23	9	95	25	8,751
District 19	2,438	14.9	1,610	9.8	34	13.9	942	291	1,974	665	163,653
Dinwiddie	265	12.2	214	9.9	5	18.9	79	22	152	78	21,651
Greensville	150	13.9	104	9.6	2	13.3	67	12	46	46	10,830
Prince George	359	12.7	117	4.1	4	11.1	114	28	185	116	28,352
Surry	84	13.3	69	10.9	1	11.9	20	9	48	15	6,328
Sussex	167	16.5	121	12.0	2	12.0	59	24	107	25	10,105
Colonial Heights	208	12.0	159	9.1	1	4.8	84	35	249	97	17,386
Emporia	94	20.2	88	18.9	1	10.6	12	14	332	*	4,652
Hopewell	370	15.0	256	10.4	4	10.8	144	40	270	120	24,605
Petersburg	741	18.6	482	12.1	14	18.9	363	107	585	168	39,744
District 20	18,836	19.4	7,246	7.5	271	14.4	6,574	1,303	11,541	4,599	969,955
Isle of Wight	369	15.4	227	9.5	4	10.8	104	33	187	72	23,926
Southampton	204	11.1	184	10.0	1	4.9	28	4	156	83	18,354
Chesapeake	2,626	19.1	1,028	7.5	36	13.7	776	209	1,163	608	137,302
Franklin City	169	21.2	111	13.9	2	11.8	32	5	60	*	7,982
Norfolk	5,538	20.3	2,330	8.5	86	15.5	2,138	415	3,916	1,228	273,166
Portsmouth	1,994	17.7	1,108	9.8	31	15.5	671	188	1,203	468	112,760
Suffolk	826	15.3	570	10.6	16	19.4	211	101	456	165	53,937
Virginia Beach	7,110	20.8	1,688	4.9	95	13.4	2,614	348	4,400	1,975	342,528
District 21	6,816	17.8	2,635	6.9	75	11.0	2,730	533	4,371	1,934	382,352
James City Co.	391	13.4	184	6.3	3	7.7	52	24	132	150	29,193
York	352	8.3	161	3.8	1	2.8	99	20	298	205	42,302
Hampton	2,348	18.4	949	7.4	34	14.5	1,058	200	1,259	621	127,494
Newport News	3,378	21.0	1,184	7.4	33	9.8	1,261	249	2,035	916	161,069
Poquoson	119	10.7	64	5.8	2	16.8	47	6	53	*	11,117
Williamsburg	228	20.4	93	8.3	2	8.8	213	34	594	42	11,177
District 22	634	13.5	628	13.4	6	9.5	93	67	467	149	48,961
Accomack	433	13.5	411	12.8	4	9.2	57	42	339	98	32,187
Northampton	201	13.6	217	14.7	2	10.0	36	25	128	51	14,774

*Included in adjoining county.

NOTES: Some abortions that occurred in other states for residents of Virginia are included.
Unknown place is included in total.

TABLE 2 - PROJECTED POPULATION* FOR JULY 1, 1988, BY RACE BY PLANNING DISTRICT AND CITY OR COUNTY, VIRGINIA

Planning District/ City or County	Total	White	Nonwhite	Planning District/ City or County	Total	White	Nonwhite
STATE OF VIRGINIA	5,948,376	4,662,514	1,285,862				
District 1	107,239	105,549	1,690	District 12	247,673	186,360	61,313
Lee	28,318	28,159	159	Franklin	38,993	34,293	4,700
Scott	23,980	23,801	179	Henry	57,943	44,111	13,832
Wise	47,982	46,932	1,050	Patrick	18,250	16,97	1,433
Morton	4,959	4,637	302	Pittsylvania	68,276	49,367	18,909
District 2	148,926	146,732	2,194	Danville	45,050	29,094	15,954
Buchanan	39,687	39,508	187	Martinsville	19,161	12,696	6,465
Dickenson	21,409	21,273	136	District 13	84,355	48,568	35,787
Russell	34,203	33,864	339	Brunswick	16,175	6,846	9,329
Tazewell	53,627	52,095	1,532	Halifax	30,772	18,678	12,094
District 3	189,331	184,143	5,188	Mecklenburg	29,978	18,375	11,403
Bland	6,955	6,707	248	South Boston	7,430	4,469	2,961
Carroll	28,823	28,679	144	District 14	86,830	53,556	33,274
Grayson	17,162	16,564	598	Amelia	9,051	6,123	2,928
Smyth	34,366	33,683	683	Buckingham	12,440	7,110	5,330
Washington	49,704	48,776	928	Charlotte	11,577	7,492	4,085
Wythe	26,795	25,786	1,009	Cumberland	8,468	4,897	3,571
Bristol	18,457	17,229	1,228	Lunenburg	12,275	7,876	4,399
Galax	7,069	6,719	350	Nottoway	15,019	8,901	6,118
District 4	150,461	143,945	6,516	Prince Edward	18,020	11,155	6,865
Floyd	12,471	12,127	344	District 15	713,005	504,892	208,113
Giles	15,294	17,885	409	Charles City Co.	6,859	1,333	5,526
Montgomery	69,062	66,448	2,614	Chesterfield	189,884	171,141	18,743
Pulaski	36,486	34,416	2,072	Goochland	13,398	9,239	4,159
Radford	14,146	13,069	1,077	Hanover	58,489	51,977	6,512
District 5	261,586	229,624	31,962	Henrico	202,548	160,342	42,206
Alleghany	14,712	14,289	423	New Kent	11,121	8,722	2,399
Botetourt	25,382	24,609	773	Powhatan	15,420	12,120	3,300
Craig	4,314	4,304	10	Richmond City	215,286	89,998	125,288
Roanoke	79,474	77,336	2,138	District 16	150,098	125,067	25,031
Clifton Forge	5,180	4,300	880	Caroline	20,069	11,719	8,350
Covington	7,828	6,597	1,231	King George	12,357	9,482	2,875
Roanoke City	100,051	74,683	25,368	Spotsylvania	44,003	38,301	5,702
Salem	24,645	23,506	1,139	Stafford	53,465	49,548	3,917
District 6	221,300	210,519	10,781	Fredericksburg	20,204	16,017	4,187
Augusta	51,995	49,961	2,034	District 17	43,744	29,362	14,382
Bath	5,575	5,086	489	Lancaster	11,634	7,937	3,697
Highland	3,152	3,135	17	Northumberland	10,292	6,988	3,304
Rockbridge	18,748	18,261	487	Richmond	7,316	5,256	2,060
Rockingham	56,654	55,555	1,099	Westmoreland	14,502	9,181	5,321
Buena Vista	6,981	6,691	290	District 18	72,426	54,884	17,542
Harrisonburg	27,895	26,745	1,150	Essex	9,216	5,436	3,780
Lexington	6,828	6,150	678	Gloucester	28,029	24,480	3,549
Staunton	24,895	22,098	2,797	King and Queen	6,553	3,618	2,935
Waynesboro	18,577	16,837	1,740	King William	10,666	7,069	3,597
District 7	146,844	140,364	6,480	Mathews	9,211	7,825	1,386
Clarke	10,715	9,634	1,081	Middlesex	8,751	6,456	2,295
Frederick	39,473	38,836	637	District 19	163,653	93,186	70,467
Page	21,005	20,415	590	Dinwiddie	21,651	13,932	7,719
Shenandoah	30,314	29,838	476	Greensville	10,830	4,574	6,256
Warren	24,002	22,561	1,441	Prince George	28,352	18,418	9,934
Winchester	21,335	19,080	2,255	Surry	6,328	2,581	3,747
District 8	1,283,292	1,066,910	216,382	Sussex	10,105	4,426	5,679
Arlington	155,567	119,081	36,486	Colonial Heights	17,386	17,141	245
Fairfax	708,993	601,069	107,924	Emporia	4,652	2,653	1,999
Loudoun	69,812	63,406	6,406	Hopewell	24,605	18,732	5,873
Prince William	182,537	160,870	21,667	Petersburg	39,744	10,729	29,015
Alexandria	108,411	70,388	38,023	District 20	969,955	662,914	307,041
Fairfax City	20,916	18,933	1,983	Ile of Wight	23,926	15,443	8,483
Falls Church	9,669	8,640	1,029	Southampton	18,354	9,939	8,415
Manassas	20,313	18,023	2,290	Chesapeake	137,302	95,983	41,319
Manassas Park	7,074	6,500	574	Franklin City	7,982	3,508	4,474
District 9	105,894	88,753	17,141	Norfolk	273,166	156,006	117,160
Culpeper	24,843	19,739	5,104	Portsmouth	112,760	56,629	56,131
Fauquier	43,427	37,461	5,966	Suffolk	53,937	29,286	24,651
Madison	11,017	9,065	1,952	Virginia Beach	342,528	296,120	46,408
Orange	20,345	16,764	3,581	District 21	382,352	255,758	126,594
Rappahannock	6,262	5,724	538	James City Co.	29,193	21,552	7,641
District 10	161,170	132,343	28,827	York	42,302	34,150	8,152
Albemarle	66,360	58,505	7,855	Hampton	127,494	75,723	51,771
Fluvanna	11,421	8,223	3,198	Newport News	161,069	103,723	57,346
Greene	9,295	8,610	685	Poquoson	11,117	10,978	139
Louisa	19,974	13,874	6,100	Williamsburg	11,177	9,632	1,545
Nelson	12,527	10,167	2,360	District 22	46,961	27,441	19,520
Charlottesville	41,593	32,964	8,629	Accomack	32,187	19,857	12,330
District 11	211,261	171,644	39,617	Northampton	14,774	7,604	7,170
Amherst	30,072	23,830	6,242				
Appomattox	13,034	10,093	2,941				
Bedford	42,190	38,546	3,644				
Campbell	49,486	42,517	6,969				
Bedford City	6,483	5,129	1,354				
Lynchburg	69,996	51,529	18,467				

SOURCE: Virginia State Data Center, Virginia Employment Commission formerly of the Division of Planning and Budget.

TABLE 3
ESTIMATED POPULATION, BIRTHS, DEATHS, MARRIAGES, AND DIVORCES
WITH RATES PER 1,000 POPULATION BY RACE, VIRGINIA, 1969-1988

YEAR	RACE	ESTIMATED POPULATION	RESIDENT BIRTHS		RESIDENT DEATHS		MARRIAGES		DIVORCES (including annulments)	
			Number	Rate	Number	Rate	Number	Rate	Number	Rate
1969	Total	4,781,175	83,420	17.4	39,048	8.2	52,575	11.0	11,417	2.4
	White	3,858,719	64,833	16.8	29,368	7.6	44,367	11.3	9,460	2.5
	Nonwhite	922,456	18,587	20.1	9,680	10.3	8,208	8.9	1,957	2.1
1970	Total	4,665,532	86,081	18.5	39,009	8.4	51,964	11.1	11,879	2.5
	White	3,772,853	66,657	17.7	29,618	7.9	44,066	11.7	9,880	2.6
	Nonwhite	892,679	19,424	21.8	9,391	10.5	7,898	8.8	1,999	2.2
1971	Total	4,714,227	82,713	17.5	39,464	8.4	52,158	11.1	13,261	2.8
	White	3,825,758	63,592	16.6	30,282	7.9	44,202	11.6	11,083	2.9
	Nonwhite	888,469	19,121	21.5	9,182	10.3	7,956	9.0	2,178	2.5
1972	Total	4,764,000	75,368	15.8	40,886	8.6	55,863	11.7	14,155	3.0
	White	3,871,370	57,440	14.8	31,392	8.1	47,232	12.2	11,741	3.0
	Nonwhite	892,630	17,928	19.7	9,494	10.6	8,631	9.7	2,414	2.7
1973	Total	4,811,000	71,665	14.9	41,103	8.3	58,431	12.1	16,078	3.3
	White	3,921,430	54,877	14.0	31,536	8.0	49,388	12.6	13,202	3.4
	Nonwhite	889,570	16,788	18.9	9,567	10.8	9,043	10.2	2,876	3.2
1974	Total	4,908,000	71,066	14.5	40,561	8.3	56,617	11.5	16,704	3.4
	White	4,015,380	54,248	13.5	31,298	7.8	47,882	11.9	13,871	3.5
	Nonwhite	892,620	16,818	18.8	9,263	10.4	8,735	9.8	2,833	3.2
1975	Total	4,966,200	70,032	14.1	39,543	8.0	54,688	11.0	19,361	3.9
	White	4,068,490	53,207	13.1	30,522	7.3	46,907	11.3	16,332	4.0
	Nonwhite	897,710	16,825	18.7	9,021	10.0	7,781	8.7	3,029	3.4
1976	Total	5,032,300*	69,972	13.9	40,056	8.0	56,469	11.2	21,381	4.2
	White	4,095,340	53,012	12.9	30,946	7.6	48,478	11.8	18,077	4.4
	Nonwhite	936,960	16,960	18.1	9,110	9.7	7,991	8.5	3,304	3.5
1977	Total	5,134,500*	74,246	14.5	39,744	7.7	57,778	11.3	21,459	4.2
	White	4,184,080	55,662	13.3	30,642	7.3	49,175	11.8	18,181	4.3
	Nonwhite	950,520	18,584	19.6	9,102	9.6	8,603	9.1	3,278	3.4
1978	Total	5,148,100*	73,349	14.2	40,649	7.9	58,967	11.5	22,654	4.4
	White	4,152,430	54,921	13.2	31,497	7.6	50,187	12.1	19,182	4.6
	Nonwhite	995,670	18,428	18.5	9,152	9.2	8,780	8.8	3,472	3.5
1979	Total	5,259,424	76,899	14.6	40,798	7.8	58,678	11.2	23,555	4.5
	White	4,152,277	56,736	13.7	31,749	7.6	49,775	12.0	19,678	4.7
	Nonwhite	1,107,147	20,163	18.2	9,049	8.2	8,903	8.0	3,877	3.5
1980	Total	5,346,279	78,423	14.7	42,496	7.9	60,210	11.3	23,615	4.4
	White	4,229,734	58,047	13.7	32,865	7.8	51,317	12.1	19,770	4.7
	Nonwhite	1,116,545	20,376	18.2	9,631	8.6	8,893	8.0	3,845	3.4
1981	Total	5,429,700	79,278	14.6	42,199	7.8	61,410	11.3	25,103	4.6
	White	4,295,733	58,820	13.7	32,954	7.7	52,061	12.1	21,154	4.9
	Nonwhite	1,133,967	20,458	18.0	9,245	8.2	9,349	8.2	3,949	3.5
1982	Total	5,461,961	81,098	14.8	41,897	7.7	62,099	11.4	26,138	4.8
	White	4,303,418	60,469	14.1	32,826	7.6	52,543	12.2	22,278	5.2
	Nonwhite	1,158,543	20,629	17.8	9,071	7.8	9,556	8.2	3,860	3.3
1983	Total	5,527,218	80,779	14.6	43,734	7.9	61,858	11.2	25,482	4.6
	White	4,346,502	60,086	13.8	34,112	7.8	51,984	12.0	21,503	4.9
	Nonwhite	1,180,716	20,693	17.5	9,622	8.1	9,874	8.4	3,979	3.4
1984	Total	5,598,403	82,662	14.8	44,252	7.9	66,143	11.8	24,705	4.4
	White	4,393,849	61,391	14.0	34,507	7.9	54,804	12.3	20,977	4.8
	Nonwhite	1,204,554	21,271	17.7	9,745	8.1	11,339	9.4	3,728	3.1
1985	Total	5,725,957	85,984	15.0	45,236	7.9	66,541	11.6	24,131	4.2
	White	4,502,420	63,999	14.2	35,331	7.8	54,097	12.0	20,340	4.5
	Nonwhite	1,223,537	21,985	18.0	9,905	8.1	12,444	10.2	3,791	3.1
1986	Total	5,800,148	87,123	15.0	46,476	8.0	66,663	11.5	24,875	4.3
	White	4,555,791	64,400	14.1	36,059	7.9	53,494	11.7	20,887	4.6
	Nonwhite	1,244,357	22,723	18.3	10,417	8.4	13,172	10.6	3,988	3.2
1987	Total	5,874,303	90,314	15.4	46,618	7.9	67,004	11.4	25,608	4.4
	White	4,609,147	66,885	14.5	36,163	7.8	54,058	11.7	21,573	4.7
	Nonwhite	1,265,156	23,429	18.5	10,455	8.3	12,946	10.2	4,035	3.2
1988	Total	5,948,376	92,816	15.6	47,557	8.0	68,947	11.6	26,013	4.4
	White	4,662,514	68,222	14.6	36,734	7.9	55,940	12.0	21,899	4.7
	Nonwhite	1,285,862	24,594	19.1	10,823	8.4	13,007	10.1	4,114	3.2

*Due to rounding, the sum of the white and nonwhite is not equal to the total.

TABLE 4
RESIDENT ILLEGITIMATE BIRTHS AND LOW WEIGHT BIRTHS WITH PERCENT OF TOTAL BIRTHS, AND DEATHS
UNDER ONE YEAR AND UNDER 28 DAYS WITH RATE PER 1,000 LIVE BIRTHS BY RACE
VIRGINIA, 1969-1988

Year	Race	Illegitimate Births		Low Weight Births		Infant Deaths			
		Number	Percent	Number	Percent	Total Under One Year		Under 28 Days	
						Number	Rate	Number	Rate
1969	Total	9,583	11.5	7,126	8.5	1,849	22.2	1,399	16.8
	White	3,323	5.1	4,684	7.2	1,231	19.0	963	14.9
	Nonwhite	6,260	33.7	2,442	13.1	618	33.2	436	23.5
1970	Total	10,263	11.9	7,200	8.4	1,790	20.8	1,400	16.3
	White	3,354	5.0	4,549	6.8	1,144	17.2	927	13.9
	Nonwhite	6,909	35.6	2,651	13.6	646	33.3	473	24.4
1971	Total	10,071	12.2	6,658	8.0	1,697	20.5	1,280	15.5
	White	3,004	4.7	4,284	6.7	1,126	17.7	861	13.5
	Nonwhite	7,067	37.0	2,374	12.4	571	29.9	419	21.9
1972	Total	9,806	13.1	5,956	7.9	1,524	20.3	1,161	15.5
	White	2,699	4.7	3,710	6.5	986	17.2	768	13.4
	Nonwhite	7,107	40.3	2,246	12.7	538	30.5	393	22.3
1973	Total	9,514	13.3	5,478	7.6	1,313	18.3	1,000	14.0
	White	2,707	4.9	3,471	6.3	872	15.9	686	12.5
	Nonwhite	6,807	40.5	2,007	12.0	441	26.3	314	18.7
1974	Total	9,738	13.7	5,394	7.6	1,236	17.4	947	13.3
	White	2,782	5.1	3,365	6.2	797	14.7	612	11.3
	Nonwhite	6,956	41.4	2,029	12.1	439	26.1	335	19.9
1975	Total	10,220	14.6	5,377	7.7	1,233	17.6	931	13.3
	White	3,040	5.7	3,322	6.2	802	15.1	600	11.3
	Nonwhite	7,180	42.7	2,055	12.2	431	25.6	331	19.7
1976	Total	10,703	15.3	5,274	7.5	1,143	16.3	838	12.0
	White	3,334	6.3	3,207	6.0	699	13.2	518	9.8
	Nonwhite	7,369	43.4	2,067	12.2	444	26.2	320	18.9
1977	Total	12,125	16.3	5,451	7.3	1,167	15.7	834	11.2
	White	3,742	6.7	3,287	5.9	724	13.0	511	9.2
	Nonwhite	8,383	45.1	2,164	11.6	443	23.8	323	17.4
1978	Total	12,546	17.1	5,399	7.4	955	13.5	693	9.4
	White	3,953	7.2	3,247	5.9	611	11.1	423	7.7
	Nonwhite	8,593	46.6	2,152	11.7	378	20.5	270	14.7
1979	Total	14,246	18.5	5,814	7.6	1,135	14.8	835	10.9
	White	4,417	7.8	3,461	6.1	712	12.5	530	9.3
	Nonwhite	9,829	48.7	2,353	11.7	423	21.0	305	15.1
1980	Total	14,995	19.1	5,916	7.5	1,075	13.7	779	9.9
	White	4,950	8.5	3,404	5.9	686	11.8	488	8.4
	Nonwhite	10,045	49.3	2,512	12.3	389	19.1	291	14.3
1981	Total	15,353	19.7	5,851	7.4	1,000	12.6	724	9.1
	White	5,174	8.8	3,444	5.9	624	10.6	443	7.5
	Nonwhite	10,179	49.8	2,407	11.8	376	18.4	281	13.7
1982	Total	15,923	19.6	5,944	7.3	1,046	12.9	762	9.4
	White	5,578	9.2	3,456	5.7	647	10.7	462	7.6
	Nonwhite	10,345	50.1	2,488	12.1	399	19.3	300	14.5
1983	Total	16,627	20.6	5,905	7.3	986	12.2	693	8.6
	White	6,009	10.0	3,434	5.7	577	9.6	387	6.4
	Nonwhite	10,618	51.3	2,471	11.9	409	19.8	306	14.8
1984	Total	17,197	20.8	6,036	7.3	1,014	12.3	724	8.8
	White	6,098	9.9	3,534	5.8	606	9.9	436	7.1
	Nonwhite	11,099	52.2	2,502	11.8	408	19.2	288	13.5
1985	Total	18,421	21.4	6,070	7.1	990	11.5	696	8.1
	White	6,897	10.8	3,597	5.6	589	9.2	414	6.5
	Nonwhite	11,524	52.4	2,473	11.2	401	18.2	282	12.8
1986	Total	19,493	22.4	6,207	7.1	958	11.0	645	7.4
	White	7,516	11.7	3,659	5.7	565	8.8	374	5.8
	Nonwhite	11,977	52.7	2,548	11.2	393	17.3	271	11.9
1987	Total	20,315	22.7	6,355	7.0	915	10.1	601	6.7
	White	8,293	12.4	3,713	5.6	539	8.1	343	5.1
	Nonwhite	12,222	52.2	2,642	11.3	376	16.0	258	11.0
1988	Total	22,072	23.8	6,628	7.1	965	10.4	633	6.8
	White	8,994	13.2	3,760	5.5	549	8.0	342	5.0
	Nonwhite	13,078	53.2	2,868	11.7	416	16.9	291	11.8

TABLE 5
RESIDENT TOTAL PREGNANCY TERMINATIONS, LIVE BIRTHS, ALL FETAL DEATHS, INDUCED ABORTIONS
AND NATURAL FETAL DEATHS WITH RATES PER 1,000 FEMALES AGED 15-44 BY RACE
VIRGINIA, 1969-1988

Year	Race	Total Pregnancy Terminations		Live Births		All Fetal Deaths					
						Total		Induced Abortions		Natural Fetal Deaths*	
		Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
1969	Total	89,801	90.3	83,420	83.9	6,381	6.2				
	White	69,865	86.3	64,833	80.1	5,032	6.2				
	Nonwhite	19,936	107.6	18,587	100.3	1,349	7.3				
1970	Total	94,554	93.4	86,081	85.0	8,473	8.4	1,633	1.6	6,840	6.8
	White	73,388	89.0	66,657	80.8	6,731	8.2	1,428	1.7	5,303	6.4
	Nonwhite	21,166	113.0	19,424	103.7	1,742	9.3	205	1.1	1,537	8.2
1971	Total	92,573	88.8	82,713	79.4	9,860	9.5	3,764	3.6	6,096	5.8
	White	70,720	83.1	63,592	74.7	7,128	8.4	2,528	3.0	4,600	5.4
	Nonwhite	21,853	114.3	19,121	100.0	2,732	14.3	1,236	6.5	1,496	7.8
1972	Total	85,547	79.8	75,068	70.0	10,479	9.8	4,564	4.3	5,915	5.5
	White	64,193	73.2	57,440	65.5	6,753	7.7	2,371	2.7	4,382	5.0
	Nonwhite	21,354	109.4	17,628	90.3	3,726	19.1	2,193	11.2	1,533	7.9
1973	Total	84,373	76.6	71,665	65.0	12,708	11.5	7,136	6.5	5,572	5.1
	White	63,093	69.9	54,877	60.8	8,216	9.1	4,068	4.5	4,148	4.6
	Nonwhite	21,280	106.9	16,788	84.3	4,492	22.6	3,068	15.4	1,424	7.2
1974	Total	90,257	79.7	71,066	62.8	19,191	17.0	13,594	12.0	5,597	4.9
	White	66,896	72.0	54,248	58.4	12,648	13.6	8,437	9.1	4,211	4.5
	Nonwhite	23,361	115.1	16,818	82.9	6,543	32.2	5,157	25.4	1,386	6.8
1975	Total	92,915	80.0	70,032	60.3	22,883	19.7	17,066	14.7	5,817	5.0
	White	67,815	71.0	53,207	55.7	14,608	15.3	10,365	10.9	4,243	4.4
	Nonwhite	25,100	121.3	16,825	81.3	8,275	40.0	6,701	32.4	1,574	7.6
1976	Total	97,604	82.3	69,972	59.0	27,632	23.3	21,563	18.2	6,069	5.1
	White	70,602	72.6	53,012	54.5	17,590	18.1	13,201	13.8	4,389	4.5
	Nonwhite	27,002	126.9	16,960	79.7	10,042	47.2	8,362	39.3	1,680	7.9
1977	Total	105,831	87.2	74,246	61.2	31,585	26.0	25,399	20.9	6,186	5.1
	White	76,298	76.5	55,662	55.8	20,636	20.7	16,170	16.2	4,466	4.5
	Nonwhite	29,533	136.2	18,584	85.7	10,949	50.5	9,229	42.6	1,720	7.9
1978	Total	107,972	86.4	73,349	58.7	34,623	27.7	28,492	22.8	6,131	4.9
	White	78,953	78.5	54,921	54.6	24,032	23.9	19,642	19.5	4,390	4.4
	Nonwhite	29,019	119.5	18,428	75.9	10,591	43.6	8,850	36.4	1,741	7.2
1979	Total	112,559	88.2	76,899	60.2	35,660	27.9	29,455	23.1	6,205	4.9
	White	81,609	79.6	56,736	55.2	24,873	24.3	20,453	20.0	4,420	4.3
	Nonwhite	30,950	122.9	20,163	80.1	10,787	42.8	9,002	35.8	1,785	7.1
1980	Total	114,933	88.1	78,423	60.1	36,510	28.0	30,062	23.1	6,448	4.9
	White	83,693	80.2	58,047	55.6	25,646	24.6	21,026	20.1	4,620	4.4
	Nonwhite	31,240	119.9	20,376	78.2	10,864	41.7	9,036	34.7	1,828	7.0
1981	Total	116,075	87.7	79,278	59.9	36,797	27.8	30,166	22.8	6,631	5.0
	White	84,361	79.7	58,820	55.6	25,541	24.1	20,706	19.6	4,835	4.6
	Nonwhite	31,714	119.7	20,458	77.2	11,256	42.5	9,460	35.7	1,796	6.8
1982	Total	117,565	86.9	81,098	59.9	36,467	26.9	30,012	22.2	6,455	4.8
	White	85,859	81.4	60,469	57.3	25,390	24.1	20,719	19.6	4,671	4.4
	Nonwhite	31,706	106.3	20,629	69.2	11,077	37.1	9,293	31.2	1,784	6.0
1983	Total	116,856	85.0	80,779	58.7	36,077	26.2	29,598	21.5	6,479	4.7
	White	85,001	79.5	60,086	56.2	24,915	23.3	20,177	18.9	4,738	4.4
	Nonwhite	31,855	104.1	20,693	67.6	11,162	36.5	9,421	30.8	1,741	5.7
1984	Total	120,257	86.1	82,662	59.2	37,595	26.9	30,819	22.1	6,776	4.8
	White	87,420	80.7	61,391	56.7	26,029	24.0	21,040	19.4	4,989	4.6
	Nonwhite	32,837	104.5	21,271	67.7	11,566	36.8	9,779	31.1	1,787	5.7
1985	Total	124,073	88.1	85,984	61.1	38,089	27.1	31,094	22.1	6,995	5.0
	White	90,231	82.5	63,999	58.5	26,232	24.0	21,046	19.2	5,186	4.7
	Nonwhite	33,842	107.5	21,985	69.6	11,857	37.7	10,048	31.9	1,809	5.7
1986	Total	126,499	88.6	87,125	61.0	39,374	27.6	31,977	22.4	7,397	5.2
	White	91,251	82.5	64,400	58.2	26,851	24.3	21,361	19.3	5,490	5.0
	Nonwhite	35,248	109.7	22,725	70.7	12,523	39.0	10,616	33.0	1,907	5.9
1987	Total	129,951	89.8	90,314	62.4	39,637	27.4	32,436	22.4	7,201	5.0
	White	93,605	83.6	66,885	59.7	26,720	23.9	21,428	19.1	5,292	4.7
	Nonwhite	36,346	110.9	23,429	71.5	12,917	39.4	11,008	33.6	1,909	5.8
1988	Total	134,349	91.5	92,816	63.2	41,533	28.3	33,637	22.9	7,896	5.4
	White	95,928	84.7	68,222	60.2	27,706	24.4	22,024	19.4	5,682	5.0
	Nonwhite	38,421	114.9	24,594	73.6	13,827	41.4	11,613	34.7	2,214	6.6

*Only total fetal deaths were reported prior to 1970 when induced abortions became legal.

TABLE 6 - LIVE BIRTHS BY PLACE OF OCCURRENCE AND PLACE OF RESIDENCE WITH RESIDENT RATE
PER 1,000 POPULATION BY RACE BY PLANNING DISTRICT AND CITY OR COUNTY, VIRGINIA, 1968

PLANNING DISTRICT AND CITY / COUNTY	PLACE OF OCCURRENCE			PLACE OF RESIDENCE						
	Total	White	Nonwhite	Total	Number White	Nonwhite	Total	Rate White	Nonwhite	
STATE OF VIRGINIA	90,291	66,020	24,271	92,816	68,222	24,594	15.6	14.6	19.1	
DISTRICT 1	971	956	15	1,127	1,112	15	18.5	18.5	8.9	
LEE	153	151	2	289	286	3	10.2	10.2	18.9	
SCOTT	1	1		235	233	2	9.0	9.0	11.2	
WISE	411	407	4	545	540	5	11.4	11.5	4.8	
WORTON	406	397	9	58	53	5	11.7	11.4	16.6	
DISTRICT 2	878	868	10	1,427	1,390	37	9.6	9.5	16.9	
BUCHANAN	12	12		371	370	1	9.3	9.4	5.3	
DICKENSON	4	4		207	205	2	9.7	9.6	14.7	
RUSSELL	194	189	5	310	305	5	9.1	9.0	14.7	
TAZEWELL	668	663	5	539	510	29	10.1	9.8	18.9	
DISTRICT 3	1,848	1,797	51	1,968	1,909	59	10.4	10.4	11.4	
BLAND				59	59		8.5	8.8	0.0	
CARROLL				278	273	5	9.6	9.5	34.7	
GRAYSON	1	1		180	174	6	10.5	10.5	10.0	
SMYTH	310	303	7	375	368	7	10.9	10.9	10.2	
WASHINGTON	674	667	7	500	493	7	10.1	10.1	7.5	
WYTHE	356	336	20	283	273	10	10.6	10.6	9.9	
BRISTOL				200	183	17	10.8	10.6	13.8	
GALAX	507	490	17	93	86	7	13.2	12.8	20.0	
DISTRICT 4	1,274	1,206	68	1,684	1,571	113	11.2	10.9	17.3	
FLOYD	9	9		131	126	5	10.5	10.4	14.5	
GILES				179	177	2	9.8	9.9	4.9	
MONTGOMERY	559	530	29	835	773	62	12.1	11.6	23.7	
PULASKI	16	12	4	413	383	30	11.3	11.1	14.5	
RAZFORD	690	655	35	126	112	14	8.9	8.6	13.0	
DISTRICT 5	4,287	3,833	454	3,161	2,639	522	12.1	11.5	16.3	
ALLEGHANY	329	303	26	161	157	4	10.9	11.0	9.5	
BOTETOURT				259	257	2	10.2	10.4	2.6	
CRAIG				50	50		11.6	11.6	0.0	
ROANOKE				775	738	37	9.8	9.5	17.3	
CLIFTON FORGE				50	44	6	9.7	10.2	6.8	
COVINGTON				76	58	18	9.7	8.8	14.6	
ROANOKE CITY	3,026	2,440	586	1,515	1,065	450	15.1	14.3	17.7	
SALEM	932	890	42	275	270	5	11.2	11.5	4.4	
DISTRICT 6	2,595	2,484	111	2,650	2,511	139	12.0	11.9	12.2	
AUGUSTA	7	7		579	559	20	11.1	11.2	9.8	
BATH				57	55	2	10.2	10.8	4.1	
HIGHLAND				30	30		9.5	9.6	0.0	
ROCKBRIDGE	4	4		213	204	9	11.4	11.2	18.5	
ROCKINGHAM	10	10		773	764	9	13.6	13.8	8.2	
BUENA VISTA				76	73	3	10.9	10.9	10.3	
HARRISONBURG	1,453	1,409	44	311	287	24	11.1	10.7	20.9	
LEXINGTON	309	293	16	65	58	7	9.5	9.4	10.3	
STAUNTON	351	329	22	290	248	42	11.6	11.2	15.0	
WAYNESBORO	461	432	29	256	233	23	13.8	13.8	13.2	
DISTRICT 7	2,122	2,020	102	2,130	2,026	104	14.5	14.4	16.0	
CLARKE	6	6		137	131	6	12.8	13.6	5.6	
FREDERICK	8	8		587	580	7	14.9	14.9	11.0	
PAGE	6	6		282	271	11	13.4	13.3	18.6	
SHERANDOAH	250	246	4	368	366	2	12.1	12.3	4.2	
WARREN	289	268	21	391	367	24	16.3	16.3	16.7	
WINCHESTER	1,563	1,486	77	365	311	54	17.1	16.3	23.9	
DISTRICT 8	21,238	17,231	4,007	22,872	18,587	4,285	17.8	17.4	19.8	
ARLINGTON	3,365	2,464	901	2,507	1,915	592	16.1	16.1	16.2	
FAIRFAX	10,867	9,051	1,816	12,157	9,900	2,257	17.1	16.5	20.9	
LOUDOUN	946	873	73	1,489	1,360	129	21.3	21.4	20.1	
PRINCE WILLIAM	1,302	1,103	199	3,917	3,351	566	21.5	20.8	26.1	
ALEXANDRIA	3,632	2,726	906	1,708	1,109	599	15.8	15.8	15.8	
FAIRFAX CITY	2	2		365	306	59	17.5	16.2	29.8	
FALLS CHURCH				118	106	12	12.2	12.3	11.7	
MANASSAS	1,124	1,012	112	491	425	66	26.2	23.6	28.8	
MANASSAS PARK				120	115	5	17.0	17.7	8.7	
DISTRICT 9	807	721	86	1,653	1,400	253	15.6	15.8	14.8	
CULPEPER	256	222	34	408	316	92	16.4	16.0	18.0	
FAUQUIER	539	488	51	712	635	77	16.4	17.0	12.9	
MADISON	3	3		151	121	30	13.7	13.3	15.4	
ORANGE	5	4	1	277	227	50	13.6	13.5	14.0	
RAPPAHANNOCK	4	4		105	101	4	16.8	17.6	7.4	
DISTRICT 10	3,301	2,528	773	2,262	1,767	495	14.0	13.4	17.2	
ALBEMARLE	2,058	1,394	664	916	801	115	13.8	13.7	14.6	
FLUVANNA	1		1	193	135	58	16.9	16.4	18.1	
GREENE				171	150	21	18.4	17.4	30.7	
LOUISA	3	3		268	189	79	13.4	13.6	13.0	
NELSON	1	1		153	119	34	12.2	11.7	14.4	
CHARLOTTESVILLE	1,238	1,130	108	561	373	188	13.5	11.3	21.8	
DISTRICT 11	2,749	1,974	775	2,736	2,007	729	13.0	11.7	18.4	
AMHERST	2	1	1	369	281	88	12.3	11.8	14.1	
APPOMATTOX				169	109	60	13.0	10.8	20.4	
BEDFORD	3	3		516	461	55	12.2	12.0	15.1	
CAMPBELL	1	1		632	506	126	12.8	11.9	18.1	
BEDFORD CITY	374	302	72	72	42	30	11.1	8.2	22.2	
LYNCHBURG	2,369	1,667	702	978	608	370	14.0	11.8	20.0	

continued

TABLE 6 - LIVE BIRTHS BY PLACE OF OCCURRENCE AND PLACE OF RESIDENCE WITH RESIDENT RATE
PER 1,000 POPULATION BY RACE BY PLANNING DISTRICT AND CITY OR COUNTY, VIRGINIA, 1988 (continued)

PLANNING DISTRICT AND CITY / COUNTY	PLACE OF OCCURRENCE			PLACE OF RESIDENCE					
	Total	White	Nonwhite	Total	White	Nonwhite	Total	White	Nonwhite
STATE OF VIRGINIA	90,291	66,020	24,271	92,816	68,222	24,594	15.6	14.6	19.1
DISTRICT 12	2,338	1,463	875	3,023	1,998	1,025	13.3	10.7	16.7
FRANKLIN	217	132	85	491	430	61	12.6	12.5	13.0
HENRY	1		1	758	549	209	13.1	12.4	15.1
PATRICK	174	140	34	174	152	22	9.5	9.0	15.1
PITTSYLVANIA	1	1		617	367	250	9.0	7.4	13.2
DANVILLE	1,258	679	579	769	380	389	17.1	13.1	24.4
MARTINSVILLE	687	511	176	214	120	94	11.2	9.5	14.5
DISTRICT 13	854	451	403	945	451	494	11.2	9.3	13.8
BRUNSWICK				176	60	116	10.9	8.8	12.4
HALIFAX	3	2	1	332	171	161	10.8	9.2	13.3
MECKLENBURG	173	95	78	344	175	169	11.5	9.4	14.8
SOUTH BOSTON	678	354	324	93	45	48	12.5	10.1	16.2
DISTRICT 14	382	156	227	1,164	615	549	13.4	11.5	16.5
AMELIA	2	1	1	131	89	42	14.5	14.5	14.4
BUCKINGHAM	6	6		189	89	100	15.2	12.5	18.8
CHARLOTTE	2		2	181	97	84	15.6	12.9	20.6
CUMBERLAND	1	1		114	61	53	13.5	12.5	14.8
LUNENBURG				133	74	59	10.8	9.4	13.4
ROTTOMAY	3	1	2	204	122	82	13.6	13.7	13.4
PRINCE EDWARD	369	147	222	212	83	129	11.8	7.4	18.8
DISTRICT 15	13,315	8,354	4,961	11,108	7,105	4,003	15.6	14.1	19.2
CHARLES CITY COUNTY	1		1	90	30	60	13.1	22.5	10.9
CHESTERFIELD	15	13	2	2,991	2,565	426	15.8	15.0	22.7
GOOCHLAND	2	2		188	140	48	14.0	15.1	11.6
HANOVER	6	4	2	827	719	108	14.1	13.8	16.6
HENRICO	5,399	4,526	873	3,164	2,347	817	15.6	14.6	19.4
NEW KENT	1	1		135	105	30	12.1	12.0	12.5
POWHEATAN	3	2	1	176	160	16	11.4	13.2	4.8
RICHMOND CITY	7,888	3,806	4,082	3,537	1,039	2,498	16.4	11.5	19.9
DISTRICT 16	1,812	1,540	272	2,645	2,202	443	17.6	17.6	17.7
CAROLINE	4	1	3	282	178	104	14.1	15.2	12.5
KING GEORGE	2	1	1	221	167	54	17.9	17.6	18.8
SPOTSYLVANIA	8	7	1	917	820	97	20.8	21.4	17.0
STAFFORD	5	4	1	832	755	77	15.6	15.2	19.7
FREDERICKSBURG	1,793	1,527	266	393	282	111	19.5	17.6	26.5
DISTRICT 17	263	158	105	535	286	249	12.3	9.7	17.3
LANCASTER	260	157	103	123	63	60	10.6	7.9	16.2
NORTHUMBERLAND				105	66	39	10.2	9.4	11.8
RICHMOND	2		2	84	48	36	11.5	9.1	17.5
WESTMORELAND	1	1		223	109	114	15.4	11.9	21.4
DISTRICT 18	10	5	5	1,002	743	259	13.8	13.5	14.8
ESSEX	6	1	5	105	50	55	11.4	9.2	14.6
GLOUCESTER	4	4		476	428	48	17.0	17.5	13.5
KING & QUEEN				100	48	52	15.3	13.3	17.7
KING WILLIAM				149	91	58	14.0	12.9	16.1
MATHEWS				64	47	17	6.9	6.0	12.3
MIDDLESEX				108	79	29	12.3	12.2	12.6
DISTRICT 19	1,973	987	986	2,438	1,186	1,252	14.9	12.7	17.8
DINWIDDIE	3		3	265	163	102	12.2	11.7	13.2
GREENSVILLE				150	62	88	13.9	13.6	14.1
PRINCE GEORGE				359	243	116	12.7	13.2	11.7
SURRY	1		1	84	34	50	13.3	13.2	13.3
SUSSEX				167	56	111	16.5	12.7	19.5
COLONIAL HEIGHTS				208	181	27	12.0	10.6	110.2
EMPORIA	133	22	111	94	30	64	20.2	11.3	32.0
HOPEWELL	408	280	128	370	253	117	15.0	13.5	19.9
PETERSBURG	1,428	685	743	741	164	577	18.6	15.3	19.9
DISTRICT 20	19,330	12,534	6,796	18,836	12,221	6,615	19.4	18.4	21.5
ISLE OF WIGHT	2		2	369	250	119	15.4	16.2	14.0
SOUTHAMPTON				204	101	103	11.1	10.2	12.2
CHESAPEAKE	2,273	1,620	653	2,626	1,777	849	19.1	18.5	20.5
FRANKLIN CITY	408	189	219	169	58	111	21.2	16.5	24.8
NORFOLK	7,519	4,370	3,149	5,538	2,913	2,625	20.3	18.7	22.4
PORTSMOUTH	4,510	2,832	1,678	1,994	957	1,037	17.7	16.9	18.5
SUFFOLK	774	347	427	826	381	445	15.3	13.0	18.1
VIRGINIA BEACH	3,844	3,176	668	7,110	5,784	1,326	20.8	19.5	28.6
DISTRICT 21	7,407	4,734	2,673	6,816	4,198	2,618	17.8	16.4	20.7
JAMES CITY COUNTY	2	2		391	314	77	13.4	14.6	10.1
YORK	3	2	1	352	274	78	8.3	8.0	9.6
HAMPTON	2,827	1,440	1,387	2,348	1,390	958	18.4	18.4	18.5
NEWPORT NEWS	3,830	2,673	1,157	3,378	1,962	1,416	21.0	18.9	24.7
POQUOSON	1	1		119	115	4	10.7	10.5	28.8
WILLIAMSBURG	744	616	128	228	143	85	20.4	14.8	55.0
DISTRICT 22	536	220	316	634	298	336	13.5	10.9	17.2
ACCOMACK	6	4	2	433	206	227	13.5	10.4	18.4
NORTHAMPTON	530	216	314	201	92	109	13.6	12.1	15.2

TABLE 7 - LIVE BIRTHS BY RACE AND PLACE OF DELIVERY BY PLANNING DISTRICT
AND CITY OR COUNTY OF RESIDENCE, VIRGINIA, 1988

Planning District/ City or County	ALL LIVE BIRTHS			PLACE OF DELIVERY								
				TOTAL			WHITE			NONWHITE		
	Total	White	Nonwhite	Hospital Birth	Non-Hosp. Physi- cian	Midwife & Other	Hospital Birth	Non-Hosp. Physi- cian	Midwife & Other	Hospital Birth	Non-Hosp. Physi- cian	Midwife & Other
STATE OF VIRGINIA	92,816	68,222	24,594	92,116	776	424	67,704	118	400	24,412	158	24
District 1	1,127	1,112	15	1,126	1		1,111	1		15		
Lee	289	286	3	288	1		285			3		
Scott	235	233	2	235			233			2		
Wise	545	540	5	545			540			5		
Norton	58	53	5	58			53			5		
District 2	1,427	1,390	37	1,423	2	2	1,386	2	2	37		
Buchanan	371	370	1	371			370			1		
Dickenson	207	205	2	206		1	204		1	2		
Russell	310	305	5	308	1	1	303	1	1	5		
Tazewell	539	510	29	538	1		509	1		29		
District 3	1,968	1,909	59	1,964	2	2	1,905	2	2	59		
Bland	59	59		59			59					
Carroll	278	273	5	278			273			5		
Grayson	180	174	6	179		1	173		1	6		
Smyth	375	368	7	373	2		366	2		7		
Washington	500	493	7	500			493			7		
Wythe	283	273	10	282		1	272		1	10		
Bristol	200	183	17	200			183			17		
Galax	93	86	7	93			86			7		
District 4	1,684	1,571	113	1,662	6	16	1,551	5	15	111	1	1
Floyd	131	126	5	122	1	8	117	1	8	5		
Giles	179	177	2	179			177			2		
Montgomery	835	773	62	824	4	7	764	3	6	60	1	1
Pulaski	413	383	30	411	1	1	381	1	1	30		
Radford	126	112	14	126			112			14		
District 5	3,161	2,639	522	3,156	3	2	2,836	1	2	520	2	
Alleghany	161	157	4	161			157			4		
Botetourt	259	257	2	259			257			2		
Craig	50	50		50			50					
Roanoke	775	738	37	775			738			37		
Clifton Forge	50	44	6	50			44			6		
Covington	76	58	18	76			58			18		
Roanoke City	1,515	1,065	450	1,511	3	1	1,063	1	1	448	2	
Salem	275	270	5	274		1	269		1	5		
District 6	2,650	2,511	139	2,626	2	22	2,487	2	22	139		
Augusta	579	559	20	572		7	552		7	20		
Bath	57	55	2	57			55			2		
Highland	30	30		30			30					
Rockbridge	213	204	9	210		3	201		3	9		
Rockingham	773	764	9	763	1	9	754	1	9	9		
Buena Vista	76	73	3	76			73			3		
Harrisonburg	311	287	24	310	1		286	1		24		
Lexington	65	58	7	64		1	57		1	7		
Staunton	290	248	42	288		2	246		2	42		
Waynesboro	256	233	23	256			233			23		
District 7	2,130	2,026	104	2,092	10	28	1,989	9	28	103	1	
Clarke	137	131	6	131	2	4	125	2	4	6		
Frederick	587	580	7	578	3	6	571	3	6	7		
Page	282	271	11	280	1	1	269	1	1	11		
Shenandoah	368	366	2	356	3	9	354	3	9	2		
Warren	391	367	24	386		5	362		5	24		
Winchester	365	311	54	361	1	3	308		3	53	1	
District 8	22,872	18,587	4,285	22,685	62	125	18,424	41	122	4,261	21	3
Arlington	2,507	1,915	592	2,486	5	16	1,897	2	16	589	3	
Fairfax	12,157	9,900	2,257	12,049	42	66	9,806	30	64	2,243	12	2
Loudoun	1,489	1,360	129	1,471	4	14	1,342	4	14	129		
Prince William	3,917	3,351	566	3,898	6	13	3,336	2	13	562	4	
Alexandria	1,708	1,109	599	1,695	4	9	1,098	2	9	597	2	
Fairfax City	365	306	59	363		2	304		2	59		
Falls Church	118	106	12	117	1		105	1		12		
Manassas	491	425	66	486		5	421		4	65		1
Manassas Park	120	115	5	120			115			5		
District 9	1,653	1,400	253	1,629	4	20	1,378	2	20	251	2	
Culpeper	408	316	92	404		4	312		4	92		
Fauquier	712	635	77	705	1	6	628	1	6	77		
Madison	151	121	30	147	1	3	118		3	29	1	
Orange	277	227	50	272	2	3	223	1	3	49	1	
Rappahannock	105	101	4	101		4	97		4	8		
District 10	2,262	1,767	495	2,236	7	19	1,746	3	18	490	4	1
Albemarle	916	801	115	906	2	8	791	2	8	115		
Fluvanna	193	135	58	188	4	1	133	1	1	55	3	
Greene	171	150	21	171			150			21		
Louisa	268	189	79	266		2	187		2	79		
Nelson	153	119	34	151		2	117		2	34		
Charlottesville	561	373	188	554	1	6	368		5	186	1	1
District 11	2,736	2,007	729	2,723	3	10	1,998	2	7	725	1	3
Amherst	369	281	88	366		3	279		3	87		1
Appomattox	169	109	60	169			109			60		
Bedford	316	461	55	513	1	2	458	1	2	55		
Campbell	632	506	126	630		2	504		2	126		
Bedford City	72	42	30	72			42			30		
Lynchburg	978	608	370	973	2	3	606	1	1	367	1	2

(continued)

TABLE 7 - LIVE BIRTHS BY RACE AND PLACE OF DELIVERY BY PLANNING DISTRICT
AND CITY OR COUNTY OF RESIDENCE, VIRGINIA, 1968 (continued)

Planning District/ City or County	ALL LIVE BIRTHS			PLACE OF DELIVERY								
				TOTAL			WHITE			NONWHITE		
	Total	White	Nonwhite	Hospital Birth	Non-Hosp. Physi- cian	Midwife & Other	Hospital Birth	Non-Hosp. Physi- cian	Midwife & Other	Hospital Birth	Non-Hosp. Physi- cian	Midwife & Other
STATE OF VIRGINIA	92,816	68,222	24,594	92,116	276	424	67,704	118	400	24,412	158	24
District 12	3,023	1,998	1,025	3,016	5	2	1,995	2	1	1,021	3	1
Franklin	491	430	61	488	2	1	428	2	1	60	1	1
Henry	758	549	209	757	1		549			208	1	
Patrick	174	152	22	173	1		152			21	1	
Pittsylvania	617	367	250	616		1	366		1	250		
Danville	769	380	389	769			380			389		
Martinsville	214	120	94	213	1		120			93	1	
District 13	945	451	494	939	3	3	449		2	490	3	1
Brunswick	176	60	116	173	2	1	60			173	2	1
Halifax	332	171	161	329	1	2	169		2	160	1	
Mecklenburg	344	175	169	344			175			169		
South Boston	93	45	48	93			45			48		
District 14	1,164	615	549	1,139	18	7	604	5	6	535	13	1
Amelia	131	89	42	129	2		88	1		41	1	
Buckingham	189	89	100	182	3	4	83	2	4	99	1	
Charlotte	181	97	84	176	4	1	96	1		80	3	1
Cumberland	114	61	53	113		1	60		1	53		
Lunenburg	133	74	59	130	3		74			56	3	
Nottoway	204	122	82	200	4		121	1		79	3	
Prince Edward	212	83	129	209	2	1	82		1	127	2	
District 15	11,108	7,105	4,003	11,020	39	49	7,053	7	45	3,967	32	4
Charles City Co.	90	30	60	89	1		30			59	1	
Chesterfield	2,991	2,565	426	2,977	2	12	2,552	1	12	425	1	
Goochland	188	140	48	186	2		138			48		
Hanover	827	719	108	820	3	4	715			105	3	
Henrico	3,164	2,347	817	3,136	8	20	2,327	3	17	809	5	3
New Kent	135	105	30	133		2	103			30		
Powhatan	176	160	16	173	1	2	158			15	1	
Richmond City	3,537	1,039	2,498	3,506	24	7	1,030	3	6	2,476	21	1
District 16	2,645	2,202	443	2,620	12	13	2,184	6	12	436	6	1
Caroline	282	178	104	276	4	2	175	2	1	101	2	1
King George	221	167	54	219	1	1	166		1	53	1	
Spotsylvania	917	820	97	909	2	6	813	1	6	96	1	
Stafford	832	755	77	826	4	2	750	3		76	1	
Fredericksburg	393	282	111	390	1	2	280		2	110	1	
District 17	535	286	249	528	4	3	282	1	3	246	3	
Lancaster	123	63	60	121	1	1	61	1	1	60		
Northumberland	105	66	39	105			66			39		
Richmond	84	48	36	83		1	47		1	36		
Westmoreland	223	109	114	219	3	1	108		1	111	3	
District 18	1,002	743	259	997	3	2	739	2	2	258	1	
Essex	105	50	55	104	1		49	1		55		
Gloucester	476	428	48	475		1	427		1	48		
King and Queen	100	48	52	99	1		48			51	1	
King William	149	91	58	148	1		90	1		58		
Mathews	64	47	17	64			47			17		
Middlesex	108	79	29	107		1	78		1	29		
District 19	2,438	1,186	1,252	2,428	5	5	1,183	1		1,243	4	5
Dinwiddie	265	163	102	263	2		163			100	2	
Greensville	150	62	88	150			62			88		
Prince George	359	243	116	359			243			116		
Surry	84	34	50	83	1		34			49	1	
Sussex	167	56	111	167			56			111		
Colonial Heights	208	181	27	208			181			27		
Emporia	94	30	64	93	1		29	1		64		
Hopewell	370	253	117	370			253			117		
Petersburg	741	164	577	735	1	5	164			571	1	5
District 20	18,836	12,221	6,615	18,700	57	79	12,126	18	77	6,574	39	2
Isle of Wight	369	250	119	367	2		250			117	2	
Southampton	204	101	103	204			101			103		
Chesapeake	2,626	1,777	849	2,612	7	7	1,767	3	7	845	4	
Franklin City	169	58	111	168		1	57		1	111		
Norfolk	5,538	2,913	2,625	5,494	25	19	2,891	4	18	2,603	21	1
Portsmouth	1,994	957	1,037	1,986	5	3	952	2	3	1,034	3	
Suffolk	826	381	445	822	1	3	378			444	1	
Virginia Beach	7,110	5,784	1,326	7,047	17	46	5,730	9	45	1,317	8	1
District 21	6,816	4,198	2,618	6,778	25	13	4,180	6	12	2,598	19	1
James City Co.	391	314	77	388	1	2	312		2	76	1	
York	352	274	78	349	3	1	273		1	75	3	
Hampton	2,348	1,390	958	2,331	12	5	1,382	3	5	949	9	
Newport News	3,378	1,962	1,416	3,366	9	3	1,957	3	2	1,409	6	1
Poquoson	119	115	4	118	1		114		1	4		
Williamsburg	228	143	85	227		1	142		1	85		
District 22	634	298	336	629	3	2	296		2	333	3	
Accomack	433	206	227	428	3	2	204		2	224	3	
Northampton	201	92	109	201			92			109		

TABLE 8 - ILLEGITIMATE LIVE BIRTHS, LOW WEIGHT BIRTHS, AND CONGENITAL ANOMALIES WITH PERCENT OF TOTAL BIRTHS
BY RACE, BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE, VIRGINIA, 1968

Planning District/ City or County	Illegitimate Live Births						Low Weight Births						Congenital Anomalies	
	Number			Percent			Number			Percent			Total	Percent
	Total	White	Nonwh	Total	White	Nonwh	Total	White	Nonwh	Total	White	Nonwh		
STATE OF VIRGINIA	22,072	8,994	13,078	23.8	13.2	53.2	6,628	3,760	2,868	7.1	5.3	11.7	571	0.6
District 1	236	229	7	20.9	20.6	46.7	78	76	2	6.9	6.8	13.3	28	2.5
Lee	60	58	2	20.8	20.3	56.7	23	22	1	8.0	7.7	33.3	8	2.1
Scott	36	36		15.3	15.5	0.0	16	16		6.8	6.9	0.0	3	2.1
Wise	123	121	2	22.6	22.4	40.0	36	36		6.6	6.7	0.0	14	2.6
Norton	17	14	3	29.3	26.4	60.0	3	2	1	5.2	3.8	20.0	3	3.2
District 2	236	213	23	16.5	15.3	62.2	94	90	4	6.6	6.5	10.8	16	1.1
Buchanan	60	60		16.2	16.2	0.0	22	22		5.9	5.9	0.0	3	1.3
Dickenson	41	40	1	19.8	19.5	50.0	14	14		6.8	6.8	0.0	4	1.9
Russell	41	37	4	13.2	12.1	80.0	17	17		5.5	5.6	0.0	4	1.3
Tazewell	96	76	18	17.4	14.9	62.1	41	37	4	7.6	7.3	13.8	3	0.6
District 3	359	327	32	16.2	17.1	54.2	136	128	8	6.9	6.7	13.6	32	1.6
Bland	8	6	2	10.2	10.2		4	4		6.8	6.8		1	1.7
Carroll	43	42	1	15.5	15.4	20.0	21	19	2	7.6	7.0	40.0	2	0.7
Grayson	31	28	3	17.2	16.1	50.0	7	5	2	3.9	2.9	33.3	2	1.1
Smyth	68	63	5	18.1	17.1	71.4	32	31	1	8.5	8.4	14.3	4	1.1
Washington	73	72	1	15.0	14.6	42.9	33	33		6.6	6.7	0.0	10	2.0
Wythe	64	56	8	22.6	20.5	80.0	19	17	2	6.7	6.2	20.0	6	2.1
Bristol	45	38	7	22.5	20.8	41.2	14	14		7.0	7.7	0.0	6	3.0
Galax	27	22	5	29.0	25.6	71.4	6	5	1	6.5	5.8	14.3	1	1.1
District 4	286	246	40	17.0	15.7	35.4	100	95	5	5.9	6.0	4.4	15	0.9
Floyd	10	10		7.6	7.9	0.0	13	13		9.9	10.3	0.0		0.0
Giles	39	37	2	21.8	20.9	100.0	11	11		6.1	6.2	0.0		0.0
Montgomery	115	102	13	13.8	13.2	21.0	39	37	2	4.7	4.8	3.2	6	0.7
Pulaski	101	80	21	24.5	20.9	70.0	30	27	3	7.3	7.0	10.0	8	1.9
Radford	21	17	4	16.7	15.2	28.6	7	7		5.6	6.3	0.0	1	0.8
District 5	807	456	351	25.5	17.3	67.2	230	171	59	7.3	6.5	11.3	24	0.8
Alleghany	33	29	4	20.3	18.5	100.0	10	10		8.2	8.4	0.0	3	3.1
Botetourt	30	28	2	11.6	10.9	100.0	18	18		6.9	7.0	0.0	2	0.8
Craig	5	5		10.0	10.0		3	3		6.0	6.0			0.0
Roanoke	77	68	9	9.9	9.2	24.3	33	32	1	4.3	4.3	2.7	3	0.4
Clifton Forge	18	12	6	36.0	27.3	100.0	3	2	1	6.0	4.5	16.7		0.0
Covington	23	11	12	30.3	19.0	66.7	5	4	1	6.6	6.9	5.6	1	1.3
Roanoke City	576	258	318	38.0	24.2	70.7	134	78	56	8.8	7.3	12.4	11	0.7
Salem	45	45		16.4	16.7	0.0	24	24		8.7	8.9	0.0	2	0.7
District 6	543	465	78	20.5	18.5	56.1	156	144	12	5.9	5.7	8.6	33	1.2
Augusta	84	73	11	14.5	13.1	35.0	35	31	4	6.0	5.5	26.0	3	0.5
Bath	13	12	1	22.8	21.8	50.0	3	3		5.3	5.5	0.0		0.0
Highland	4	4		13.3	13.3		2	2		6.7	6.7			0.0
Rockbridge	49	42	7	23.0	20.6	77.8	14	13	1	6.6	6.4	11.1	2	0.9
Rockingham	123	119	4	15.9	15.6	44.4	46	45	1	6.0	5.9	11.1	15	1.9
Buena Vista	26	24	2	34.2	32.9	66.7	4	4		5.3	5.5	0.0	2	2.6
Harrisonburg	68	57	11	21.9	19.9	45.8	15	15		4.8	5.2	0.0	3	1.0
Lexington	9	5	4	13.8	8.6	57.1	3	2	1	4.6	3.4	14.3		0.0
Staunton	95	66	29	32.8	26.6	69.0	20	16	4	6.9	6.5	9.5	2	0.7
Waynesboro	72	63	9	28.1	27.0	39.1	14	13	1	5.5	5.6	4.3	6	2.3
District 7	488	429	59	22.9	21.2	56.7	110	96	14	5.2	4.7	13.3	23	1.1
Clarke	23	19	4	16.8	14.5	66.7	8	4	4	4.4	3.1	33.3	2	1.5
Frederick	113	111	2	19.3	19.1	28.6	33	31	2	5.6	5.3	28.6	1	0.2
Page	65	62	3	23.0	22.9	27.3	13	12	1	4.6	4.4	9.1	2	0.7
Shenandoah	80	79	1	21.7	21.6	50.0	18	17	1	4.9	4.6	50.0	13	3.5
Warren	94	78	16	24.0	21.3	66.7	18	14	4	4.6	3.8	16.7	5	1.3
Winchester	113	80	33	31.0	25.7	61.1	22	18	4	6.0	5.8	7.4		0.0
District 8	3,448	2,094	1,354	15.1	11.3	31.6	1,344	911	433	5.9	4.9	10.1	92	0.4
Arlington	520	314	206	20.7	16.4	34.8	160	83	77	6.4	4.3	13.0	17	0.7
Fairfax	1,538	958	580	12.7	9.7	25.7	679	480	199	5.6	4.8	8.8	38	0.3
Loudoun	150	104	46	10.1	7.6	35.7	86	71	15	5.8	5.2	11.6	12	0.8
Prince William	624	447	177	15.9	13.3	31.3	232	176	56	5.9	5.3	9.9	16	0.4
Alexandria	467	154	313	27.3	13.9	52.3	120	50	70	7.0	4.5	11.7	6	0.4
Fairfax City	32	26	6	8.8	8.5	10.2	20	14	6	5.5	4.6	10.2	3	0.8
Falls Church	17	14	3	14.4	13.2	25.0	11	9	2	9.3	8.5	16.7		0.0
Manassas	78	57	21	15.9	13.4	31.8	29	23	6	5.9	5.4	9.1		0.0
Manassas Park	22	20	2	18.3	17.4	40.0	7	5	2	5.8	4.3	40.0		0.0
District 9	333	182	151	20.1	13.0	59.7	99	65	34	6.0	4.6	13.4	9	0.5
Culpeper	106	44	62	26.0	13.9	67.4	24	13	9	5.9	4.7	9.8	2	0.5
Fauquier	90	64	26	12.6	10.1	33.8	37	24	13	5.2	3.8	16.9	3	0.4
Madison	41	16	25	27.2	13.2	83.3	13	8	5	8.6	6.6	16.7	1	0.7
Orange	77	43	34	27.8	18.9	68.0	16	10	6	5.8	4.4	12.0	3	1.1
Rappahannock	19	15	4	18.1	14.9	100.0	9	8	1	8.6	7.9	25.0		0.0
District 10	598	275	323	26.4	15.6	65.3	155	94	61	6.9	5.3	12.3	18	0.8
Albemarle	153	92	61	16.7	11.5	33.0	45	34	11	4.9	4.2	9.6	6	0.7
Fluvanna	59	21	38	30.6	15.6	65.5	22	14	8	11.4	10.4	13.8	2	1.0
Greene	44	26	18	25.7	17.3	85.7	14	8	6	8.2	5.3	28.6	1	0.6
Louisa	87	45	42	32.5	23.8	53.2	12	7	5	4.5	3.7	6.3		0.0
Nelson	42	20	22	27.5	16.8	64.7	10	6	4	6.5	5.0	11.8	1	0.7
Charlottesville	213	71	142	38.0	19.0	75.5	52	25	27	9.3	6.7	14.4	8	1.4
District 11	758	285	473	27.7	14.2	64.9	178	96	82	6.5	4.8	11.2	23	0.8
Amherst	101	49	52	27.4	17.4	59.1	17	9	8	4.8	3.2	9.1	2	0.5
Appomattox	49	7	42	29.0	6.4	70.0	13	4	9	7.7	3.7	19.0		0.0
Bedford	78	52	26	15.1	11.3	47.3	32	24	8	6.2	5.2	14.5	6	1.2
Campbell	132	63	69	20.9	12.5	54.8	41	27	14	6.5	5.3	11.1	8	1.3
Bedford City	30	7	23	41.7	16.7	78.7	9	6	3	12.5	14.3	10.0		0.0
Lynchburg	368	107	261	37.6	17.6	70.5	66	26	40	6.7	4.3	10.8	7	0.7

(continued)

TABLE 8 - ILLEGITIMATE LIVE BIRTHS, LOW WEIGHT BIRTHS, AND CONGENITAL ANOMALIES WITH PERCENT OF TOTAL BIRTHS BY RACE, BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE, VIRGINIA, 1966 (continued)

Planning District/ City or County	Illegitimate Live Births						Low Weight Births						Congenital Anomalies	
	Number			Percent			Number			Percent			Total	Percent
	Total	White	Nonwhite	Total	White	Nonwhite	Total	White	Nonwhite	Total	White	Nonwhite		
STATE OF VIRGINIA	22,072	8,994	13,078	23.8	13.2	53.2	6,628	3,760	2,868	7.1	5.5	11.7	571	0.6
District 12	870	299	571	28.8	15.0	55.7	286	148	138	9.5	7.4	13.5	13	0.4
Franklin	48	34	14	17.9	12.6	35.7	30	12	18	10.2	8.8	19.7	4	0.8
Henry	204	98	106	26.9	17.9	50.7	51	30	21	6.7	5.5	10.0	9	0.7
Patrick	36	25	11	20.7	16.4	30.0	14	8	6	8.0	5.3	27.3	0	0.0
Pittsylvania	187	44	143	30.3	12.0	57.2	59	32	27	9.6	8.7	10.8	1	0.2
Danville	276	53	223	35.9	13.9	57.3	86	29	57	11.2	7.6	14.7	3	0.4
Martinsville	79	25	54	36.9	20.8	57.4	26	11	15	12.1	9.2	16.0	0	0.0
District 13	325	51	274	34.4	11.3	55.5	98	32	66	10.2	7.1	13.0	13	1.4
Brunswick	72	8	64	41.5	13.3	56.0	18	1	17	10.2	1.7	14.7	0	0.0
Halifax	104	12	92	31.3	7.0	57.1	26	10	16	7.8	5.8	9.9	7	2.1
Mecklenburg	117	25	92	34.0	14.3	54.4	43	17	26	12.5	9.7	15.4	4	1.2
South Beeton	31	6	25	33.3	13.3	52.1	9	4	5	9.7	8.9	10.4	2	2.2
District 14	415	67	348	35.7	10.8	63.4	105	40	65	9.0	6.3	11.8	13	1.1
Amelia	34	10	24	26.0	11.2	57.1	12	5	7	9.2	10.1	7.1	1	0.8
Buckingham	81	10	71	42.9	11.2	71.0	22	3	19	11.6	3.4	19.0	4	2.1
Charlotte	59	5	54	32.6	5.2	64.3	10	4	6	5.5	4.1	7.1	2	1.1
Cumberland	38	8	30	33.3	13.1	56.6	10	7	3	8.8	11.5	5.7	1	0.9
Lunenburg	46	8	38	34.6	10.8	64.4	11	3	8	8.3	4.1	13.6	2	1.5
Hottoway	66	18	48	32.4	14.8	58.5	17	8	9	8.3	6.6	11.0	1	0.5
Prince Edward	91	8	83	42.9	9.6	64.3	23	6	17	10.8	7.2	13.2	2	0.9
District 15	3,165	738	2,427	28.5	10.4	60.6	870	373	497	7.8	5.2	12.4	34	0.3
Charles City Co.	40	3	37	44.4	10.0	61.7	11	2	9	12.2	6.7	15.0	0	0.0
Chesterfield	373	241	132	12.5	9.4	31.0	161	118	43	5.4	4.6	10.1	10	0.3
Goochland	24	2	22	12.8	1.4	45.8	11	4	7	5.9	2.9	14.6	2	1.1
Hanover	99	47	52	12.0	6.3	48.1	58	48	10	7.0	6.7	9.3	2	0.2
Henrico	623	242	381	19.7	10.3	46.6	207	135	72	6.5	3.8	8.8	6	0.2
New Kent	24	10	14	17.8	9.3	46.7	5	3	2	3.7	2.9	6.7	0	0.0
Powhatan	19	9	10	10.8	5.6	62.5	5	5	0	2.8	3.1	0.0	0	0.0
Richmond City	1,963	184	1,779	55.5	17.7	71.2	412	58	354	11.6	5.6	14.2	14	0.4
District 16	573	328	245	21.7	14.9	55.3	177	135	42	6.7	6.1	9.3	8	0.3
Caroline	94	32	62	33.3	18.0	59.6	20	12	8	7.1	6.7	7.7	1	0.4
King George	59	25	34	26.7	15.0	63.0	9	6	3	4.1	3.6	5.6	0	0.0
Spotsylvania	159	109	50	17.3	13.3	51.5	68	55	13	7.4	6.7	13.4	1	0.1
Stafford	131	100	31	15.7	13.2	40.3	46	42	4	5.5	5.0	5.2	5	0.6
Fredericksburg	130	62	68	33.1	22.0	61.3	34	20	14	8.7	7.1	12.6	1	0.3
District 17	211	29	182	39.4	10.1	73.1	46	14	32	8.6	4.9	12.9	7	1.3
Lancaster	48	6	42	39.0	9.3	70.0	8	0	8	7.3	0.0	15.0	3	2.4
Northumberland	36	9	27	34.3	13.6	69.2	9	5	4	8.8	7.6	10.3	2	1.8
Richmond	30	3	27	35.7	6.3	75.0	9	4	5	10.7	8.3	13.9	0	0.0
Westmoreland	97	11	86	43.5	10.1	75.4	19	5	14	8.1	4.6	12.3	2	0.8
District 18	247	90	157	24.7	12.1	60.6	46	22	24	4.8	3.0	9.3	9	0.8
Essex	43	3	40	42.9	6.0	76.4	11	4	7	10.3	8.0	12.7	1	1.0
Gloucester	72	46	26	15.1	10.7	54.2	11	9	2	2.3	2.1	4.2	3	0.6
King and Queen	41	10	31	41.0	20.8	59.6	9	3	6	9.0	6.3	11.5	1	1.0
King William	45	13	32	30.2	14.3	55.2	8	2	6	5.0	2.2	10.3	1	0.7
Mathews	14	7	7	21.9	14.9	41.2	1	1	0	1.6	2.1	0.0	0	0.0
Middlesex	30	11	19	27.8	13.9	65.5	6	3	3	5.6	3.8	10.3	3	2.8
District 19	975	185	790	40.0	15.6	63.1	229	68	161	9.4	5.7	12.9	9	0.4
Dinwiddie	95	23	72	35.8	14.1	70.6	24	6	18	9.1	3.7	17.6	1	0.4
Greeneville	65	12	53	43.3	19.4	60.2	16	6	10	10.7	9.7	11.4	1	0.7
Prince George	59	22	37	16.4	9.1	31.9	25	13	12	7.0	5.3	10.3	0	0.0
Surry	24	4	20	28.6	11.8	40.0	5	2	3	6.0	5.9	6.0	0	0.0
Sussex	79	4	75	47.3	7.1	67.6	25	4	21	15.0	7.1	18.9	1	0.6
Colonial Heights	49	34	15	23.6	18.8	55.6	8	7	1	3.8	3.9	3.7	1	0.5
Emporia	46	5	41	48.9	16.7	64.1	8	4	4	8.5	13.3	6.3	1	1.1
Hopewell	125	55	70	33.8	21.7	59.8	33	16	17	8.9	6.3	14.5	1	0.3
Petersburg	433	26	407	58.4	15.9	70.5	85	10	75	11.5	6.1	13.0	3	0.4
District 20	5,054	1,478	3,576	26.8	12.1	54.1	1,495	705	790	7.9	5.8	11.9	66	0.4
Isle of Wight	107	22	85	29.0	8.8	71.4	23	11	12	6.2	4.4	10.1	4	1.1
Southampton	67	11	56	32.8	10.9	54.4	14	6	8	6.9	5.9	7.8	0	0.0
Chesapeake	654	209	445	24.9	11.8	52.4	204	103	101	7.8	5.8	11.9	10	0.4
Franklin City	75	7	68	44.4	12.1	61.3	21	1	20	12.4	1.7	18.0	2	1.2
Norfolk	1,988	447	1,541	35.9	15.3	58.7	510	189	321	9.2	6.5	12.2	15	0.3
Portsmouth	806	138	668	40.4	14.4	64.4	175	52	123	8.8	5.4	11.9	8	0.4
Suffolk	346	40	306	41.9	10.3	68.8	76	14	62	9.2	3.7	13.9	6	0.7
Virginia Beach	1,011	604	407	14.2	10.4	30.7	472	329	143	6.6	5.7	10.8	21	0.3
District 21	1,852	473	1,379	27.2	11.3	52.7	537	242	295	7.9	5.8	11.3	74	1.1
James City Co.	79	30	49	20.2	9.6	63.6	32	23	9	8.2	7.3	11.7	0	0.0
York	61	23	38	17.3	8.4	48.7	18	16	2	5.1	3.8	2.6	3	0.9
Hampton	594	148	446	25.3	10.6	46.6	201	85	116	8.6	6.1	12.1	42	1.8
Newport News	1,016	233	783	30.1	11.9	55.3	261	105	156	7.7	3.4	11.0	28	0.8
Poquoson	17	16	1	14.3	13.9	25.0	9	8	1	7.6	7.0	25.0	1	0.8
Williamsburg	85	23	62	37.3	16.1	72.9	16	5	11	7.0	3.5	12.9	0	0.0
District 22	293	53	240	46.2	18.3	70.8	61	15	46	9.6	5.0	13.7	12	1.9
Accomack	206	37	169	47.6	18.0	74.4	43	12	31	10.4	5.8	14.5	6	1.4
Northampton	87	18	69	43.3	19.6	63.3	16	3	13	8.8	3.3	11.9	6	3.0

TABLE 9 - RESIDENT LIVE BIRTHS BY RACE BY AGE OF MOTHER BY PLANNING DISTRICT
AND CITY OR COUNTY OF RESIDENCE, VIRGINIA, 1968

Planning District/ City or County	Race	Total	Age of Mother								
			Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45+	Unk.
STATE OF VIRGINIA	Total	92,816	235	10,179	25,590	29,134	19,692	6,914	1,037	26	9
	White	84,222	87	5,990	17,353	22,544	13,769	3,586	865	18	8
	Nonwhite	24,594	168	4,189	8,235	6,568	3,923	1,328	172	8	3
District 1	Total	1,127	3	243	436	251	134	83	7		
	White	1,112	3	239	431	248	133	81	7		
	Nonwhite	15		4	5	3	1	2			
Lee	Total	289	1	68	116	70	22	10	2		
	White	286	1	66	116	69	22	10	2		
	Nonwhite	3		2		1					
Scott	Total	235		49	86	57	33	8	2		
	White	233		49	85	56	33	8	2		
	Nonwhite	2			1	1					
Wise	Total	545	1	114	211	113	70	33	3		
	White	540	1	113	209	112	70	32	3		
	Nonwhite	5		1	2	1		1			
Norton	Total	58	1	12	23	11	9	2			
	White	53	1	11	21	11	8	1			
	Nonwhite	5		1	2		1	1			
District 2	Total	1,427	3	242	484	411	207	57	23		
	White	1,390	3	233	473	402	200	56	23		
	Nonwhite	37		9	11	9	7	1			
Buchanan	Total	371	3	59	134	109	53	8	5		
	White	370	3	59	134	109	52	8	5		
	Nonwhite	1					1				
Dickenson	Total	207		46	62	60	20	12	7		
	White	205		45	61	60	20	12	7		
	Nonwhite	2		1	1						
Russell	Total	310		49	116	83	46	10	4		
	White	305		47	115	83	46	10	4		
	Nonwhite	5		2	1	2					
Tazewell	Total	539		88	172	157	88	27	7		
	White	510		82	163	150	82	26	7		
	Nonwhite	29		6	9	7	6	1			
District 3	Total	1,968	9	338	656	547	315	97	5	1	
	White	1,909	8	329	636	531	304	95	5	1	
	Nonwhite	59	1	9	20	16	11	2			
Bland	Total	59		7	24	15	10	3			
	White	59		7	24	15	10	3			
	Nonwhite										
Carroll	Total	278	3	46	104	77	35	13			
	White	273	3	46	103	74	34	13			
	Nonwhite	5			1	3	1				
Grayson	Total	180	1	34	68	41	25	9			
	White	174	1	34	67	40	23	9			
	Nonwhite	6		2	1	1	2				
Smyth	Total	375		74	132	100	50	15	3	1	
	White	368		73	128	100	48	15	3	1	
	Nonwhite	7		1	4		2				
Washington	Total	500	1	81	146	160	87	25			
	White	493	1	81	144	157	85	25			
	Nonwhite	7			2	3	2				
Wythe	Total	283	1	45	87	84	50	15	1		
	White	273	1	44	81	83	48	15	1		
	Nonwhite	10		1	6	1	2				
Bristol	Total	200	1	28	66	50	42	13			
	White	183	1	25	62	44	40	11			
	Nonwhite	17		3	4	6	2	2			
Galax	Total	93	2	21	29	20	16	4	1		
	White	86	1	19	27	18	16	4	1		
	Nonwhite	7	1	2	2	2					
District 4	Total	1,684	2	244	494	494	330	110	9	1	
	White	1,571	2	220	462	465	305	107	9	1	
	Nonwhite	113		24	32	29	25	3			
Floyd	Total	131		14	34	43	29	11			
	White	126		14	31	42	28	11			
	Nonwhite	5			3	1	1				
Giles	Total	179		30	68	48	23	10			
	White	177		28	68	48	23	10			
	Nonwhite	2		2							
Montgomery	Total	835	1	84	219	261	199	64	7		
	White	773	1	77	203	244	179	62	7		
	Nonwhite	62		7	16	17	20	2			
Pulaski	Total	413	1	98	140	99	54	19	1	1	
	White	383	1	85	130	94	52	18	1	1	
	Nonwhite	30		13	10	5	2				
Radford	Total	126		18	33	43	25	6	1		
	White	112		16	30	37	23	5	1		
	Nonwhite	14		2	3	6	2	1			

(continued)

TABLE 9 - RESIDENT LIVE BIRTHS BY RACE BY AGE OF MOTHER BY PLANNING DISTRICT
AND CITY OR COUNTY OF RESIDENCE, VIRGINIA, 1968 (continued)

Planning District/ City or County	Race	Total	Age of Mother								Unk.
			Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45+	
STATE OF VIRGINIA	Total	92,816	235	10,179	25,590	29,134	19,692	6,914	1,037	26	9
	White	68,222	87	3,990	17,355	22,568	13,769	5,586	843	18	6
	Nonwhite	24,594	168	4,189	8,235	6,566	3,923	1,328	172	8	3
District 3	Total	3,161	12	415	854	1,000	838	206	36		
	White	2,439	6	281	871	895	576	178	32		
	Nonwhite	522	6	134	183	105	62	28	4		
Allegheny	Total	161		24	52	54	21	8	2		
	White	157		23	50	53	21	8	2		
	Nonwhite	4		1	2	1					
Botetourt	Total	259		23	63	93	60	18	2		
	White	257		23	63	91	60	18	2		
	Nonwhite	2				2					
Craig	Total	50		9	15	13	10	2	1		
	White	50		9	15	13	10	2	1		
	Nonwhite										
Roanoke	Total	775		56	140	288	212	64	15		
	White	738		53	134	275	206	56	14		
	Nonwhite	37		3	6	13	6	8	1		
Clifton Forge	Total	50	1	11	10	16	11	1			
	White	44	1	9	7	16	10	1			
	Nonwhite	6		2	3		1				
Covington	Total	76		14	33	20	7	1	1		
	White	58		11	24	17	5		1		
	Nonwhite	18		3	9	3	2	1			
Roanoke City	Total	1,515	10	251	470	422	255	94	13		
	White	1,065	4	126	308	339	203	75	10		
	Nonwhite	450	6	125	162	83	52	19	3		
Salem	Total	275	1	27	71	94	62	18	2		
	White	270	1	27	70	91	61	18	2		
	Nonwhite	5		1	1	3	1				
District 6	Total	2,650	2	329	788	826	826	153	26		
	White	2,511	2	301	741	796	502	146	23		
	Nonwhite	139		28	47	30	24	7	3		
Augusta	Total	579		60	173	186	115	37	8		
	White	559		59	164	180	112	36	8		
	Nonwhite	20		1	9	6	3	1			
Bath	Total	57	1	12	14	18	9	1	2		
	White	55	1	12	14	18	7	1	2		
	Nonwhite	2					2				
Highland	Total	30		5	9	9	6	1			
	White	30		5	9	9	6	1			
	Nonwhite										
Rockbridge	Total	213		30	66	61	36	19	1		
	White	204		26	63	60	33	19	1		
	Nonwhite	9		4	3	1	1				
Rockingham	Total	773		83	209	276	173	27	5		
	White	764		82	205	273	172	27	5		
	Nonwhite	9		1	4	3	1				
Buena Vista	Total	76		13	32	21	7	2	1		
	White	73		12	31	21	7	1	1		
	Nonwhite	3		1	1			1			
Harrisonburg	Total	311		38	92	92	59	26	4		
	White	287		34	88	83	54	24	4		
	Nonwhite	24		4	4	9	5	2			
Lexington	Total	65		4	13	17	20	10	1		
	White	58		1	11	16	20	9	1		
	Nonwhite	7		3	2	1		1			
Staunton	Total	290	1	39	107	69	60	13	1		
	White	248	1	30	87	65	52	13			
	Nonwhite	42		9	20	4	8		1		
Waynesboro	Total	256		45	73	77	41	17	3		
	White	233		40	69	71	37	13	1		
	Nonwhite	23		5	4	6	4	2	2		
District 7	Total	2,130	4	299	688	839	358	123	15	4	
	White	2,026	2	278	649	811	347	121	13	3	
	Nonwhite	104	2	21	39	28	11	2		1	
Clarke	Total	137		16	37	47	26	7	3	1	
	White	131		16	33	44	26	7	3	1	
	Nonwhite	6			2	3					
Frederick	Total	587		69	190	181	104	40	2	1	
	White	580		68	187	180	103	39	2	1	
	Nonwhite	7		1	3	1	1	1			
Page	Total	282		47	90	76	48	17	3	1	
	White	271		46	85	74	46	16	3	1	
	Nonwhite	11		1	5	2	2	1			
Shenandoah	Total	368	1	59	114	108	60	23	3		
	White	366	1	59	113	108	59	23	3		
	Nonwhite	2			1		1				

(continued)

TABLE 9 - RESIDENT LIVE BIRTHS BY RACE BY AGE OF MOTHER BY PLANNING DISTRICT
AND CITY OR COUNTY OF RESIDENCE, VIRGINIA, 1988 (continued)

Planning District/ City or County	Race	Total	Age of Mother								Unk.
			Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45+	
STATE OF VIRGINIA	Total	92,816	235	10,179	25,590	29,134	19,692	6,914	1,037	26	9
	White	88,222	67	5,990	17,355	22,566	15,769	5,586	865	18	6
	Nonwhite	24,594	168	4,189	8,235	6,568	3,923	1,328	172	8	3
District 7 (continued)											
Warren	Total	391		49	123	130	60	23	3	1	
	White	367		44	112	123	59	23	3	1	
	Nonwhite	24		5	11	7	1				
Winchester	Total	365	3	59	134	97	60	11	1		
	White	311	1	45	117	82	54	11	1		
	Nonwhite	54	2	14	17	15	6				
District 8											
	Total	22,872	30	1,256	4,292	7,574	6,517	2,739	456	4	4
	White	18,587	18	887	3,241	6,186	5,497	2,350	401	4	3
	Nonwhite	4,285	12	369	1,051	1,388	1,020	389	55		1
Arlington	Total	2,507	2	144	438	763	728	375	57		
	White	1,915	1	103	296	566	581	318	50		
	Nonwhite	592	1	41	142	197	147	57	7		
Fairfax	Total	12,157	10	498	1,855	4,051	3,820	1,641	277	3	2
	White	9,900	7	341	1,393	3,265	3,243	1,406	241	3	1
	Nonwhite	2,257	3	157	462	786	577	235	36		1
Loudoun	Total	1,489	1	83	274	549	409	155	17	1	
	White	1,360	1	71	231	518	379	143	16	1	
	Nonwhite	129		12	43	31	30	12	1		
Prince William	Total	3,917	8	319	1,096	1,367	829	251	45		2
	White	3,351	6	264	909	1,187	723	222	38		2
	Nonwhite	566	2	55	187	180	106	29	7		
Alexandria	Total	1,708	8	152	385	469	444	212	38		
	White	1,109	7	94	214	316	319	170	34		
	Nonwhite	599	6	98	171	153	125	42	4		
Fairfax City	Total	365		19	56	130	109	42	9		
	White	306		16	45	111	93	32	9		
	Nonwhite	59		3	11	19	16	10			
Falls Church	Total	118		4	14	28	41	25	6		
	White	106		3	12	25	36	24	6		
	Nonwhite	12		1	2	3	5	1			
Manassas	Total	491	1	38	100	170	124	31	7		
	White	425	1	26	102	151	110	28	7		
	Nonwhite	66		2	28	19	14	3			
Manassas Park	Total	120		9	44	47	13	7			
	White	115		9	39	47	13	7			
	Nonwhite	5			5						
District 9											
	Total	1,653	2	166	445	570	332	117	20	1	
	White	1,400	2	118	360	505	294	102	18	1	
	Nonwhite	253		48	85	65	38	15	2		
Culpeper	Total	408		68	119	128	62	29	2		
	White	316		44	90	102	52	26	2		
	Nonwhite	92		24	29	26	10	3			
Fauquier	Total	712		45	168	270	157	81	8	1	
	White	635		36	142	250	145	53	8	1	
	Nonwhite	77		9	26	20	12	10			
Madison	Total	151	2	12	42	53	30	8	6		
	White	121	2	7	31	45	25	6	5		
	Nonwhite	30		5	11	8	5		1		
Orange	Total	277		31	80	91	61	8	2		
	White	227		23	63	82	51	6	2		
	Nonwhite	50		10	17	11	10	2			
Rappahannock	Total	105		8	36	36	22	11	2		
	White	101		8	34	36	21	11	1		
	Nonwhite	4			2		1		1		
District 10											
	Total	2,262	7	211	570	725	536	179	33	1	
	White	1,767	5	136	388	568	475	162	32	1	
	Nonwhite	495	2	75	182	157	61	17	1		
Albemarle	Total	916	3	57	177	293	270	98	18	1	
	White	801	2	47	139	254	246	94	18	1	
	Nonwhite	115	1	10	38	38	24	4			
Fluvanna	Total	193		18	48	77	43	8	1		
	White	135		11	25	54	36	8	1		
	Nonwhite	58		5	23	23	7				
Greene	Total	171		20	49	59	34	6	3		
	White	150		17	43	48	33	6	3		
	Nonwhite	21		3	6	11	1				
Louisa	Total	268	1	44	85	86	36	13	3		
	White	189	1	26	62	62	28	7	3		
	Nonwhite	79		18	23	24	8	6			
Nelson	Total	155	1	18	53	38	34	8	1		
	White	119	1	12	38	29	31	7	1		
	Nonwhite	34		6	15	9	3	1			
Charlottesville	Total	561	2	56	158	173	119	46	7		
	White	373	1	23	81	121	101	40	6		
	Nonwhite	188	1	33	77	52	18	6	1		

(continued)

TABLE 9 - RESIDENT LIVE BIRTHS BY RACE BY AGE OF MOTHER BY PLANNING DISTRICT
AND CITY OR COUNTY OF RESIDENCE, VIRGINIA, 1988 (continued)

Planning District/ City or County	Race	Total	Age of Mother								Unk.
			Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45+	
STATE OF VIRGINIA	Total	92,816	235	10,179	25,590	29,134	19,692	6,914	1,037	26	9
	White	68,222	67	5,990	17,355	22,566	13,769	5,586	865	18	6
	Nonwhite	24,594	168	4,189	8,235	6,568	3,923	1,328	172	8	3
District 11	Total	2,736	7	360	820	902	485	136	25	1	
	White	2,007	2	205	567	723	390	101	18	1	
	Nonwhite	729	5	155	253	179	95	35	7		
Amherst	Total	369		82	115	119	47	19	7		
	White	281		43	75	97	44	14	4		
	Nonwhite	88		17	40	22	3	3	3		
Appomattox	Total	169	2	27	53	58	21	8			
	White	108	1	8	37	43	13	3			
	Nonwhite	60	1	19	16	13	8	3			
Bedford	Total	516		57	139	176	114	27	3		
	White	461		44	125	165	103	23	3		
	Nonwhite	55		13	16	11	11	4			
Campbell	Total	632		69	195	225	121	18	5	1	
	White	506		43	130	202	92	14	4	1	
	Nonwhite	126		26	43	23	29	4	1		
Bedford City	Total	72	2	15	17	22	13	2	1		
	White	42	1	9	8	13	9	1	1		
	Nonwhite	30	1	6	9	9	4	1			
Lynchburg	Total	978	3	130	303	302	169	62	9		
	White	608		56	174	201	129	42	6		
	Nonwhite	370	3	74	129	101	40	20	3		
District 12	Total	3,023	5	454	1,015	869	510	147	22	1	
	White	1,998	1	243	636	616	379	104	18	1	
	Nonwhite	1,025	4	211	379	253	131	43	4		
Franklin	Total	491		58	156	160	87	25	4	1	
	White	430		47	130	140	84	24	4	1	
	Nonwhite	61		11	26	20	3	1			
Henry	Total	758	2	119	277	210	108	34	8		
	White	549	1	77	192	163	84	24	6		
	Nonwhite	209	1	42	85	45	24	10	2		
Patrick	Total	174		28	61	45	34	6			
	White	152		23	53	42	29	3			
	Nonwhite	22		5	8	3	5	1			
Pittsylvania	Total	617		98	196	181	102	34	6		
	White	567		39	115	122	63	23	3		
	Nonwhite	250		59	81	59	39	11	1		
Danville	Total	769	3	116	243	221	149	33	4		
	White	580		37	104	123	94	19	3		
	Nonwhite	389	3	79	139	98	55	14	1		
Martinsville	Total	214		35	82	52	30	15			
	White	120		20	42	24	25	9			
	Nonwhite	94		15	40	28	5	6			
District 13	Total	945	6	138	299	268	173	51	10		
	White	451	2	51	126	146	96	21	9		
	Nonwhite	494	4	87	173	122	77	30	1		
Brunswick	Total	176	2	21	53	45	38	15	2		
	White	60	1	5	14	21	14	3	2		
	Nonwhite	116	1	16	39	24	24	12			
Halifax	Total	332	1	36	127	99	51	15	3		
	White	171		12	56	55	35	10			
	Nonwhite	161	1	24	71	44	16	5			
Hicklenburg	Total	344	2	66	95	101	65	12	3		
	White	175		26	44	62	38	3	2		
	Nonwhite	169	2	40	51	39	27	9	1		
South Boston	Total	93	1	15	24	23	19	9	2		
	White	45	1	8	12	8	9	3	2		
	Nonwhite	48		7	12	15	10	4			
District 14	Total	1,164	3	208	391	309	190	50	11	2	
	White	615		90	169	192	120	33	10	1	
	Nonwhite	549	3	118	222	117	70	17	1	1	
Amelia	Total	131		13	42	45	26	4	1		
	White	89		10	22	35	18	3	1		
	Nonwhite	42		3	20	10	8	1			
Buckingham	Total	189		45	70	45	19	9	1		
	White	89		15	31	21	12	9	1		
	Nonwhite	100		30	39	24	7				
Charlotte	Total	181		37	57	46	34	4	3		
	White	97		14	22	35	22	2	2		
	Nonwhite	84		23	35	11	12	2	1		
Cumberland	Total	114		19	33	32	21	6	3		
	White	61		9	15	19	11	4	3		
	Nonwhite	53		10	18	13	10	2			
Lunenburg	Total	133		24	52	34	12	8	2	1	
	White	74		11	23	24	9	5	2		
	Nonwhite	59		13	29	10	3	3		1	

(continued)

TABLE 9 - RESIDENT LIVE BIRTHS BY RACE BY AGE OF MOTHER BY PLANNING DISTRICT
AND CITY OR COUNTY OF RESIDENCE, VIRGINIA, 1988 (continued)

Planning District/ City or County	Race	Total	Age of Mother								
			Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45+	Unk.
STATE OF VIRGINIA	Total	92,816	235	10,179	25,590	29,134	19,692	6,914	1,037	26	9
	White	68,222	67	3,990	17,333	22,346	15,769	5,586	865	18	6
	Nonwhite	24,594	168	4,189	8,257	6,788	3,923	1,328	172	8	3
District 14 (continued)											
Nottoway	Total	204	1	27	63	64	39	8	1	1	
	White	122		13	37	38	26	4	1	1	
	Nonwhite	82	1	12	26	26	13	4			
Prince Edward	Total	212	2	43	74	43	39	11			
	White	83		16	19	20	22	6			
	Nonwhite	129	2	27	55	23	17	5			
District 15											
Charles City Co.	Total	11,108	39	1,125	2,740	3,486	2,658	916	141	3	
	White	7,105	3	435	1,401	2,449	2,007	702	107	1	
	Nonwhite	4,003	36	690	1,339	1,037	651	214	34	2	
Chesterfield	Total	90		6	32	30	15	5	2		
	White	30		3	4	13	7	1	2		
	Nonwhite	60		3	28	17	8	4			
Goochland	Total	2,991	2	197	604	1,017	855	370	45	1	
	White	2,565	1	137	502	898	729	239	39		
	Nonwhite	426	1	40	102	119	126	31	6	1	
Hanover	Total	188		14	43	68	38	24	1		
	White	140		6	26	33	33	21	1		
	Nonwhite	48		8	17	35	5	3			
Henrico	Total	827	1	53	190	291	228	61	3		
	White	719		40	135	233	209	39	3		
	Nonwhite	108	1	13	55	58	19	2			
New Kent	Total	3,164	7	126	704	1,073	828	280	45	1	
	White	2,347	2	141	454	807	677	229	36	1	
	Nonwhite	817	5	85	250	266	151	51	9		
Powhatan	Total	135		10	36	43	36	10			
	White	105		5	24	37	30	9			
	Nonwhite	30		5	12	6	6	1			
Richmond City	Total	176		9	43	67	41	15	1		
	White	160		8	35	62	39	15	1		
	Nonwhite	16		1	8	5	2				
Stafford	Total	5,537	29	610	1,088	897	617	251	44	1	
	White	1,039		73	201	328	283	129	23		
	Nonwhite	2,498	29	535	887	571	334	122	19	1	
District 16											
Caroline	Total	2,645	1	334	771	903	459	157	19		1
	White	2,202		255	615	776	398	138	19		1
	Nonwhite	443	1	79	156	127	61	19			
King George	Total	282		39	90	80	48	23	2		
	White	178		23	53	34	29	15	2		
	Nonwhite	104		16	37	46	19	8			
Stafford	Total	221	1	37	70	64	32	16	1		
	White	167		23	49	53	27	14	1		
	Nonwhite	54	1	14	21	11	5	2			
Stafford	Total	917		99	243	339	178	53	5		
	White	820		86	204	310	167	48	5		
	Nonwhite	97		13	39	29	11	5			
Fredericksburg	Total	832		89	233	299	157	47	7		
	White	755		76	212	272	142	46	7		
	Nonwhite	77		13	21	27	15	1			
Stafford	Total	393		70	135	121	44	18	4		1
	White	282		47	97	85	33	13	4		1
	Nonwhite	111		23	38	36	11	5			
District 17											
Lancaster	Total	535	1	76	173	148	86	43	8		
	White	286		21	85	92	57	25	6		
	Nonwhite	249	1	55	88	56	29	18	2		
Northumberland	Total	123		16	44	31	19	12	1		
	White	63		7	20	18	10	9	1		
	Nonwhite	60		9	24	13	9	3			
Richmond	Total	105		9	42	31	17	5	1		
	White	66		3	26	19	13	4	1		
	Nonwhite	39		6	16	12	4	1			
Westmoreland	Total	84		8	24	23	17	10	2		
	White	48		2	13	16	10	3	2		
	Nonwhite	36		6	11	7	7	7			
Essex	Total	223	1	43	63	63	33	18	4		
	White	109		9	28	41	24	7	2		
	Nonwhite	114	1	34	35	22	9	11	2		
District 18											
Gloucester	Total	1,002		120	310	313	193	59	5	2	
	White	743		77	207	233	137	43	3	1	
	Nonwhite	259		43	103	60	36	16			
Essex	Total	105		16	30	38	16	5			
	White	50		4	12	20	11	3			
	Nonwhite	55		12	18	18	5	2			
Gloucester	Total	476		51	143	167	87	20	4	2	
	White	428		43	124	137	81	18	4	1	
	Nonwhite	48		8	21	10	6	2		1	

(continued)

TABLE 9 - RESIDENT LIVE BIRTHS BY RACE BY AGE OF MOTHER BY PLANNING DISTRICT
AND CITY OR COUNTY OF RESIDENCE, VIRGINIA, 1988 (continued)

Planning District/ City or County	Race	Total	Age of Mother								Unk.
			Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45+	
STATE OF VIRGINIA	Total	92,816	235	10,179	25,590	29,134	19,692	6,914	1,037	26	9
	White	68,222	67	3,990	17,335	22,566	15,769	5,386	865	18	6
	Nonwhite	24,594	168	6,189	8,235	6,568	3,923	1,528	172	8	3
<u>District 18 (continued)</u>											
King and Queen	Total	100		11	34	26	25	4			
	White	48		7	10	14	15	2			
	Nonwhite	52		4	24	12	10	2			
King William	Total	149		23	44	38	28	16			
	White	91		12	20	27	21	11			
	Nonwhite	58		11	24	11	7	5			
Mathews	Total	64		5	21	16	13	7			
	White	47		3	16	14	11	3			
	Nonwhite	17		2	5	2	4	4			
Middlesex	Total	108		14	36	28	22	7	1		
	White	79		8	25	21	18	6	1		
	Nonwhite	29		6	11	7	4	1			
<u>District 19</u>											
	Total	2,438	13	425	857	852	349	128	13		
	White	1,186		166	387	366	185	77	5		
	Nonwhite	1,252	13	260	470	286	164	51	8		
Dinwiddie	Total	265	2	41	99	67	44	10	2		
	White	163		20	52	35	26	8	2		
	Nonwhite	102	2	21	47	12	18	2			
Greensville	Total	150		35	57	37	13	6			
	White	62		16	18	18	6	4			
	Nonwhite	88		19	39	21	7	2			
Prince George	Total	359	1	40	104	119	74	20	1		
	White	243		25	74	82	48	13	1		
	Nonwhite	116	1	15	30	37	26	7			
Surry	Total	84	1	7	24	25	21	5	1		
	White	34		3	6	12	9	3	1		
	Nonwhite	50	1	4	18	13	12	2			
Sussex	Total	167	1	31	57	43	22	12	1		
	White	56		9	18	14	8	7			
	Nonwhite	111	1	22	39	29	14	5	1		
Colonial Heights	Total	208		29	64	68	31	16			
	White	181		23	53	59	30	16			
	Nonwhite	27		6	11	9	1				
Emporia	Total	94	2	19	35	26	9	3			
	White	30		4	7	11	5	3			
	Nonwhite	64	2	15	28	15	4				
Hopewell	Total	370	1	58	148	97	45	18	3		
	White	233		35	106	71	29	11	1		
	Nonwhite	117	1	23	42	26	16	7	2		
Petersburg	Total	741	5	166	269	168	90	38	5		
	White	164		31	53	44	24	12			
	Nonwhite	577	5	135	216	124	66	26	5		
<u>District 20</u>											
	Total	18,836	74	2,309	6,112	5,882	3,349	1,003	99	4	4
	White	12,221	8	1,069	3,761	4,187	2,425	703	64	2	2
	Nonwhite	6,615	66	1,240	2,351	1,695	924	300	35	2	2
Isle of Wight	Total	369	1	41	89	142	70	23	3		
	White	250		19	52	101	56	21	1		
	Nonwhite	119	1	22	37	41	14	2	2		
Southampton	Total	204	1	27	63	71	31	11			
	White	101	1	12	29	40	16	3			
	Nonwhite	103		15	34	31	15	8			
Chesapeake	Total	2,626	7	185	741	876	527	188	21	1	
	White	1,777		133	455	673	381	122	12	1	
	Nonwhite	849	7	152	286	203	146	66	9		
Franklin City	Total	169		25	52	47	36	8	1		
	White	58		3	12	21	20	1	1		
	Nonwhite	111		22	40	26	16	7			
Norfolk	Total	5,538	32	867	2,152	1,470	760	238	18	1	
	White	2,913	3	326	1,131	851	460	131	10	1	
	Nonwhite	2,625	29	541	1,021	619	300	107	8		
Portsmouth	Total	1,994	16	355	691	564	288	71	8		1
	White	957	1	113	311	311	181	38	2		
	Nonwhite	1,037	15	242	380	253	107	33	6		1
Suffolk	Total	826	7	135	258	254	138	31	1	1	1
	White	381	1	32	101	143	85	19			
	Nonwhite	445	6	103	157	111	53	12	1	1	1
Virginia Beach	Total	7,110	10	574	2,066	2,458	1,499	453	47	1	2
	White	3,784	2	431	1,670	2,047	1,226	368	38		2
	Nonwhite	1,326	8	143	396	411	273	85	9	1	
<u>District 21</u>											
	Total	6,816	11	782	2,161	2,197	1,252	362	53	1	
	White	4,198		319	1,258	1,462	870	254	35		
	Nonwhite	2,618	11	463	903	735	382	108	15	1	
James City Co.	Total	391	1	22	101	125	95	40	7		
	White	314		13	66	108	85	34	5		
	Nonwhite	77	1	7	35	17	10	6	1		

(continued)

TABLE 9 - RESIDENT LIVE BIRTHS BY RACE BY AGE OF MOTHER BY PLANNING DISTRICT
AND CITY OR COUNTY OF RESIDENCE, VIRGINIA, 1988 (continued)

Planning District/ City or County	Race	Total	Age of Mother								Unk.
			Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45+	
STATE OF VIRGINIA	Total	92,816	235	10,179	25,590	29,134	19,692	6,914	1,037	26	9
	White	68,222	67	5,990	17,355	22,566	15,769	5,586	865	18	6
	Nonwhite	24,594	168	4,189	8,235	6,568	3,923	1,328	172	8	3
District 21 (continued)											
York	Total	352		27	64	113	111	32	5		
	White	274		15	42	90	92	30	5		
	Nonwhite	78		12	22	23	19	2			
Hampton	Total	2,348	5	271	736	790	403	125	18		
	White	1,390		111	441	504	247	77	10		
	Nonwhite	958	5	160	295	286	156	48	8		
Newport News	Total	3,378	5	419	1,153	1,070	569	144	17	1	
	White	1,962		154	639	681	380	97	11		
	Nonwhite	1,416	5	265	514	389	189	47	6	1	
Poquoson	Total	119		9	30	39	31	7	3		
	White	115		9	29	38	31	5	3		
	Nonwhite	4			1	1		2			
Williamsburg	Total	228		34	77	60	43	14			
	White	143		15	41	41	35	11			
	Nonwhite	85		19	36	19	8	3			
District 22											
	Total	634	1	104	234	168	95	28	4		
	White	298		37	91	97	52	17	4		
	Nonwhite	336	1	67	143	71	43	11			
Accomack	Total	433		77	168	108	61	17	2		
	White	206		27	71	66	32	8	2		
	Nonwhite	227		50	97	42	29	9			
Northampton	Total	201	1	27	66	60	34	11	2		
	White	92		10	20	31	20	9	2		
	Nonwhite	109	1	17	46	29	14	2			

TABLE 10
RESIDENT LIVE BIRTHS BY BIRTH ORDER BY BIRTH WEIGHT
VIRGINIA, 1988

Birth Weight	Total	Birth Order										Unk.
		1	2	3	4	5	6	7	8	9	10+	
TOTAL	92,816	40,670	31,942	13,606	4,344	1,310	498	180	88	41	35	102
Low Weight	6,628	3,021	2,027	966	369	139	53	21	6	7	5	14
500 grams or less	165	76	55	18	7	3	4					2
501-1500 grams	1,110	501	324	170	67	23	12	2		2	1	8
1501-2500 grams	5,353	2,444	1,648	778	295	113	37	19	6	5	4	4
Full-Weight	86,103	37,620	29,888	12,626	3,974	1,171	444	159	82	34	30	75
2501-3500 grams	48,178	22,206	16,029	6,736	2,144	617	239	83	46	22	13	43
3501-4500 grams	36,143	14,832	13,167	5,573	1,714	512	190	70	30	8	15	32
4501 grams and over	1,782	582	692	317	116	42	15	6	6	4	2	
Unknown	85	29	27	14	1		1					13

TABLE 11
RESIDENT LIVE BIRTHS BY BIRTH WEIGHT BY RACE AND AGE OF MOTHER
VIRGINIA, 1988

Age of Mother	Total	Birth Weight (in grams)												Total Full Weight	Unknown
		500 or Less	501 to 1,000	1,001 to 1,500	1,501 to 2,000	2,001 to 2,500	Total Low Weight	2,501 to 3,000	3,001 to 3,500	3,501 to 4,000	4,001 to 4,500	4,501 to 5,000	5,001 or More		
		Less	1,000	1,500	2,000	2,500	Weight	3,000	3,500	4,000	4,500	5,000	More		
TOTAL	92,816	165	473	637	1,289	4,064	6,628	15,017	33,161	27,320	8,823	1,571	211	86,103	85
Under 15	235	1	2	1	5	18	27	72	90	37	9			208	
15-19	10,179	19	64	98	187	681	1,049	2,121	3,888	2,438	575	93	7	9,122	8
20-24	25,590	39	117	177	357	1,172	1,862	4,603	9,599	7,034	2,105	320	45	23,706	22
25-29	28,134	58	125	173	349	1,089	1,794	4,418	10,417	8,972	2,924	522	67	27,320	20
30-34	19,692	34	125	135	251	755	1,300	2,699	6,597	6,274	2,283	449	64	18,366	26
35-39	6,914	14	34	43	119	292	502	947	2,236	2,246	799	158	22	6,408	4
40-44	1,037	5	5	9	21	53	88	154	323	311	126	27	6	947	2
45 and Over	26					4	4	2	8	8	2	2		22	
Unknown	9		1	1			2	1	3					4	
WHITE	68,222	82	217	358	710	2,393	3,760	9,333	23,652	22,192	7,651	1,394	178	64,400	62
Under 15	67		2	1		6	9	11	23	19	5			58	
15-19	5,990	6	34	43	92	318	493	985	2,270	1,715	438	78	5	5,491	6
20-24	17,355	23	39	92	178	642	974	2,626	6,262	5,387	1,775	283	33	16,366	15
25-29	22,566	32	59	106	208	685	1,090	2,990	7,845	7,527	2,579	464	58	21,463	13
30-34	15,769	15	64	87	143	491	800	1,925	5,179	5,346	2,039	405	55	14,949	20
35-39	5,586	6	16	22	75	206	325	679	1,798	1,917	705	138	21	5,258	3
40-44	865		3	7	14	41	65	116	266	276	108	26	6	798	2
45 and Over	18					4	4	1	8	5	2			14	
Unknown	6								3					3	
NONWHITE	24,594	83	256	279	579	1,671	2,868	5,684	9,509	5,128	1,172	177	33	21,703	23
Under 15	168	1			5	12	18	61	67	18	4			150	
15-19	4,189	13	30	55	95	363	556	1,136	1,618	723	137	15	2	3,631	2
20-24	8,235	16	78	85	179	530	888	1,977	3,337	1,647	330	37	12	7,340	7
25-29	6,568	26	66	67	141	404	704	1,428	2,572	1,445	345	58	9	5,857	7
30-34	3,923	19	61	48	108	264	500	774	1,418	928	244	44	9	3,417	6
35-39	1,328	8	18	21	44	86	177	268	438	329	94	20	1	1,150	1
40-44	172		2	2	7	12	23	38	57	35	18	1		149	
45 and Over	8							1	2	3		2		8	
Unknown	3		1	1			2	1						1	

TABLE 12 - RESIDENT LIVE BIRTHS BY LIVE BIRTH ORDER
BY AGE AND RACE OF MOTHER, VIRGINIA, 1988

Age of Mother	Total Births	LIVE BIRTH ORDER										
		1	2	3	4	5	6	7	8	9	10+	Unk
TOTAL	92,816	40,670	31,942	13,606	4,344	1,310	498	180	88	41	35	102
Under 15 years	235	230	5									15
15-19 years	10,179	7,921	1,842	343	45	13						35
20-24 years	25,590	13,065	8,627	2,875	781	159	43	4	1			18
25-29 years	29,134	12,000	10,812	4,440	1,347	359	108	29	14	3	4	20
30-34 years	19,692	5,759	7,924	3,985	1,317	430	157	52	28	12	8	9
35-39 years	6,914	1,498	2,428	1,720	722	269	143	68	27	18	12	
40-44 years	1,037	196	298	238	123	79	44	24	16	8	11	
45 years & over	26		4		9	1	3	3	2			5
Unknown	9	1	2	1								
WHITE - Total	68,222	30,731	23,886	9,515	2,762	772	280	100	57	25	15	79
Under 15 years	67	65	2									9
15-19 years	5,990	4,972	894	109	5	1						26
20-24 years	17,355	9,565	5,830	1,554	315	52	12		1			15
25-29 years	22,566	9,815	8,438	3,204	849	179	44	13	8		1	17
30-34 years	15,769	4,873	6,477	3,070	928	275	82	22	17	6	2	9
35-39 years	5,586	1,279	1,981	1,367	554	204	108	44	21	14	5	
40-44 years	865	162	258	207	105	60	32	19	10	5	7	
45 years & over	18		4	3	6	1	2	2				3
Unknown	6		2	1								
NONWHITE - Total	24,594	9,939	8,056	4,091	1,582	538	218	80	31	16	20	23
Under 15 years	168	165	3									6
15-19 years	4,189	2,949	948	234	40	12						9
20-24 years	8,235	3,500	2,797	1,321	466	107	31	4				3
25-29 years	6,568	2,185	2,374	1,236	498	180	64	16	6	3	3	
30-34 years	3,923	886	1,447	915	389	155	75	30	11	6	6	
35-39 years	1,328	219	447	353	168	65	35	24	6	4	7	
40-44 years	172	34	40	31	18	19	12	5	6	3	4	
45 years & over	8			1	3		1	1	2			2
Unknown	3	1										

TABLE 13 - PERCENT DISTRIBUTION OF RESIDENT LIVE BIRTHS BY LIVE BIRTH ORDER
BY AGE AND RACE OF MOTHER, VIRGINIA, 1988

Age of Mother	Total Births	LIVE BIRTH ORDER										
		1	2	3	4	5	6	7	8	9	10+	Unk
TOTAL	92,816	43.8	34.4	14.7	4.7	1.4	0.5	0.2	0.1	*	*	0.1
Under 15 years	235	97.9	2.1									0.1
15-19 years	10,179	77.8	18.1	3.4	0.4	0.1						0.1
20-24 years	25,590	51.1	33.7	11.2	3.1	0.6	0.2	*	*			0.1
25-29 years	29,134	41.2	37.1	15.2	4.6	1.2	0.4	0.1	*	*	*	0.1
30-34 years	19,692	29.2	40.2	20.2	6.7	2.2	0.8	0.3	0.1	0.1	*	0.1
35-39 years	6,914	21.7	35.1	24.9	10.4	3.9	2.1	1.0	0.4	0.3	0.2	0.1
40-44 years	1,037	18.9	28.7	23.0	11.9	7.6	4.2	2.3	1.5	0.8	1.1	
45 years & over	26		15.4	15.4	34.6	3.8	11.5	11.5	7.7			
Unknown	9											
WHITE - Total	68,222	45.0	35.0	13.9	4.0	1.1	0.4	0.1	0.1	*	*	0.1
Under 15 years	67	97.0	3.0									0.2
15-19 years	5,990	83.0	14.9	1.8	0.1	*						0.1
20-24 years	17,355	55.1	33.6	9.0	1.8	0.3	0.1		*			0.1
25-29 years	22,566	43.5	37.4	14.2	3.8	0.8	0.2	0.1	*	*	*	0.1
30-34 years	15,769	30.9	41.1	19.5	5.9	1.7	0.5	0.1	0.1	*	*	0.1
35-39 years	5,586	22.9	35.5	24.5	9.9	3.7	1.9	0.8	0.4	0.3	0.1	0.2
40-44 years	865	18.7	29.8	23.9	12.1	6.9	3.7	2.2	1.2	0.6	0.8	
45 years & over	18		22.2	16.7	33.3	5.6	11.1	11.1				
Unknown	6											
NONWHITE - Total	24,594	40.4	32.8	16.6	6.4	2.2	0.9	0.3	0.1	0.1	0.1	0.1
Under 15 years	168	98.2	1.8									0.1
15-19 years	4,189	70.4	22.6	5.6	1.0	0.3						0.1
20-24 years	8,235	42.5	34.0	16.0	5.7	1.3	0.4	*		*	*	
25-29 years	6,568	33.3	36.1	18.8	7.6	2.7	1.0	0.2	0.1	*	*	
30-34 years	3,923	22.6	36.9	23.3	9.9	4.0	1.9	0.8	0.3	0.2	0.2	0.1
35-39 years	1,328	16.5	33.7	26.6	12.7	4.9	2.6	1.8	0.5	0.3	0.5	
40-44 years	172	19.8	23.3	18.0	10.5	11.0	7.0	2.9	3.5	1.7	2.3	
45 years & over	8			12.5	37.5		12.5	12.5	25.0			
Unknown	3											

* Less Than 0.05 Percent

TABLE 14
RESIDENT LIVE BIRTHS BY EDUCATION OF MOTHER BY BIRTH ORDER
VIRGINIA, 1988

Birth Order	Total	Highest Grade Completed						Unknown
		Elementary		High School		College		
		0-6	7-8	9-11	12	1-3	4+	
TOTAL	92,816	704	2,236	14,035	35,865	19,069	20,575	332
1	40,670	228	908	5,918	15,368	8,415	9,708	125
2	31,942	175	581	4,195	12,824	6,669	7,410	88
3	13,606	146	396	2,349	5,315	2,777	2,581	42
4	4,344	65	197	983	1,629	822	626	22
5	1,310	45	75	347	454	243	141	5
6	498	17	36	148	152	73	70	2
7	180	12	18	50	53	32	13	2
8	88	7	4	21	30	17	8	1
9	41	5	7	12	5	9	2	1
10+	35	2	10	5	11	3	4	
Unknown	102	2	4	7	24	9	12	44

TABLE 15
RESIDENT LIVE BIRTHS BY EDUCATION OF MOTHER BY TRIMESTER CARE BEGAN
VIRGINIA, 1988

Trimester Care Began	Total	Highest Grade Completed						Unknown
		Elementary		High School		College		
		0-6	7-8	9-11	12	1-3	4+	
TOTAL	92,816	704	2,236	14,035	35,865	19,069	20,575	332
First	74,091	345	1,372	8,874	28,044	16,303	19,000	153
Second	13,932	219	601	3,692	6,034	2,144	1,166	76
Third	2,800	97	160	889	1,081	334	216	23
None	1,088	26	68	438	394	123	25	14
Unknown	905	17	35	142	312	165	168	66

TABLE 16
RESIDENT LIVE BIRTHS BY BIRTH ORDER BY TRIMESTER CARE BEGAN
VIRGINIA, 1988

Trimester Care Began	Total	Birth Order										
		1	2	3	4	5	6	7	8	9	10+	Unknown
TOTAL	92,816	40,670	31,942	13,606	4,344	1,310	498	180	88	41	35	102
First	74,091	33,258	26,091	10,390	3,015	825	297	97	43	18	24	33
Second	13,932	5,706	4,434	2,342	888	339	124	49	26	15	4	5
Third	2,800	1,061	852	509	227	74	37	19	9	5	4	3
None	1,088	310	282	232	147	51	33	13	10	2	1	7
Unknown	905	335	283	133	67	21	7	2		1	2	54

TABLE 17
RESIDENT LIVE BIRTHS BY AGE OF MOTHER BY TRIMESTER CARE BEGAN
VIRGINIA, 1988

Trimester Care Began	Total	Age of Mother											
		Under 15	15	16	17	18	19	20-24	25-29	30-34	35-39	40-44	45 & Over
TOTAL	92,816	235	519	1,107	1,891	2,871	3,791	25,590	29,134	19,692	6,914	1,037	26
First	74,091	80	240	596	1,039	1,705	2,378	18,862	24,836	17,370	6,092	876	14
Second	13,932	113	201	363	618	863	1,066	5,015	3,200	1,750	627	105	11
Third	2,800	24	49	85	164	193	214	1,038	626	270	103	34	
None	1,088	13	23	52	51	74	91	417	209	106	39	12	1
Unknown	905	5	6	11	19	36	42	258	263	196	53	10	6

TABLE 18
RESIDENT BIRTHS WITH APGAR SCORE BY AGE OF MOTHER
VIRGINIA, 1988

Apgar Score	TOTAL	Age of Mother								Unknown
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	
TOTAL	92,816	235	10,179	25,590	29,134	19,692	6,914	1,037	26	9
(1 minute)										
00	48		4	14	17	9	3	1		
01	733	1	114	201	199	148	58	11		1
02	784	4	112	220	233	156	49	10		
03	993	6	153	283	271	196	71	12		1
04	1,288	6	193	355	373	247	103	11		
05	1,854	8	232	513	577	349	152	22	1	
06	3,095	7	388	913	924	599	228	35	1	
07	8,366	27	954	2,414	2,589	1,642	636	102	2	
08	40,159	71	3,996	10,695	12,908	8,898	3,118	463	9	1
09	34,393	100	3,900	9,659	10,742	7,206	2,413	358	12	3
10	521	1	50	164	165	101	35	5		
Unknown	582	4	83	159	136	141	48	7	1	3
(5 minutes)										
00	35		8	5	13	7	2			
01	218		24	57	72	42	20	2		1
02	134	1	15	40	38	33	7			
03	110		14	30	33	24	8	1		
04	156	1	19	46	41	31	15	2		1
05	251	1	43	71	63	53	16	4		
06	627	3	94	165	177	132	44	12		
07	1,560	8	233	463	422	294	121	19		
08	7,540	17	916	2,186	2,296	1,467	574	83	1	
09	72,826	183	7,817	19,915	23,059	15,555	5,436	835	22	4
10	8,777	17	912	2,464	2,775	1,915	622	70	2	
Unknown	582	4	84	148	145	139	49	9	1	3

TABLE 19
RESIDENT BIRTHS WITH APGAR SCORE BY RACE AND SEX
VIRGINIA, 1988

Apgar Score	Total	Race/Sex			
		White Male	White Female	Nonwhite Male	Nonwhite Female
TOTAL	92,816	34,876	33,346	12,450	12,144
(1 minute)					
00	48	20	12	7	9
01	733	224	196	171	142
02	784	265	171	208	140
03	993	355	258	188	192
04	1,288	434	356	242	256
05	1,854	675	523	316	340
06	3,095	1,128	1,049	470	448
07	8,366	3,145	2,995	1,078	1,148
08	40,159	15,393	14,996	4,939	4,831
09	34,393	12,837	12,395	4,686	4,475
10	521	223	225	34	39
Unknown	582	177	170	111	124
(5 minutes)					
00	35	7	11	11	6
01	218	65	54	57	42
02	134	31	28	46	29
03	110	25	25	34	26
04	156	60	25	44	27
05	251	79	57	50	65
06	627	216	161	129	121
07	1,560	541	458	285	276
08	7,540	2,777	2,525	1,122	1,116
09	72,826	27,080	26,066	9,960	9,720
10	8,777	3,814	3,758	613	592
Unknown	582	181	178	99	124

TABLE 20 - COMPLICATIONS OF PREGNANCY REPORTED FOR RESIDENT LIVE BIRTHS
BY TRIMESTER CARE BEGAN, VIRGINIA, 1988

Complications of Pregnancy	Total	Trimester Care Began				
		1st	2nd	3rd	None	Unknown
Unduplicated Count of Births with Complications	36,039	28,365	5,642	1,128	389	515
Complications Related to Pregnancy						
Hemorrhage in early pregnancy	213	181	20	2		10
Placenta previa	283	244	25	5	3	6
Premature separation of placenta	386	297	55	15	9	10
Other and unspecified antepartum hemorrhage	383	320	42	8	3	10
Pre-eclampsia and eclampsia	1,386	1,118	205	33	21	9
Other and unspecified hypertension	2,046	1,617	344	45	15	25
Excessive vomiting	95	79	13	1		2
Early or threatened labor	2,164	1,570	381	68	97	48
Prolonged pregnancy	81	52	26	1	1	1
Edema or excessive weight gain	102	83	16	2	1	
Infections of genitourinary tract	1,208	783	343	63	4	15
Other and unspecified complications of pregnancy	96	66	22	3		5
Conditions during the puerperium	4	1	1			2
Conditions in the Mother Complicating the Pregnancy						
Venereal disease	102	45	40	14		3
Other infective and parasitic diseases	1,115	795	251	44	10	15
Diabetes mellitus	1,455	1,197	210	28	1	19
Anemia	875	534	272	49	11	9
Phlebitis, thrombosis and other venous complications	41	38	1	2		
Obesity	345	240	84	16	3	2
Injury during pregnancy	24	16	3		2	3
Operation during pregnancy	56	50	5			1
Other conditions in mother affecting pregnancy	2,046	1,474	385	93	40	54
Complications Affecting Delivery						
Multiple pregnancy	727	599	100	5	7	16
Malposition or malpresentation of fetus	2,501	2,046	313	68	33	41
Fetopelvic disproportion	2,891	2,471	322	60	10	28
Uterine scar from previous surgery	5,486	4,483	754	156	35	58
Cervical incompetence	167	148	17			2
Other or unspecified abnormality of organs and soft tissues of pelvis	139	122	12	2		3
Rh incompatibility	323	241	66	9		7
Fetal distress	5,998	4,517	1,058	251	64	108
Other fetal and placental problems	476	373	74	15	4	10
Polyhydramnios	75	54	15	2	1	3
Premature rupture of membranes	1,709	1,295	282	57	46	29
Other problems associated with amniotic cavity and membranes	484	349	96	24	8	7
Obstructed labor	481	390	72	12	1	6
Abnormality of forces of labor	2,678	2,136	403	91	20	28
Prolonged labor	240	201	33	5	1	
Unbilical cord complications	4,089	3,118	696	148	56	71
Perineal laceration	1,336	1,010	199	60	15	52
Other obstetrical trauma	149	116	23	6	2	2
Postpartum hemorrhage	183	131	36	11	3	2
Retained placenta or membranes	232	167	46	9	4	6
Other and unspecified complications of labor and delivery	588	414	133	23	10	8
Type of Delivery (if specified on certificate)						
Forceps or ventouse delivery	1,366	1,060	223	54	4	25
Breach extraction	2	1	1			
Cesarean delivery	16,986	14,042	2,210	409	117	208

TABLE 21 - CONGENITAL ANOMALIES REPORTED FOR RESIDENT LIVE BIRTHS BY TRIMESTER CARE BEGAN, VIRGINIA, 1988

Congenital Anomalies	Total	Trimester Care Began				
		1st	2nd	3rd	None	Unknown
Unduplicated Count of Infants with Anomalies	571	420	103	32	10	6
All Congenital Anomalies						
Anencephalus	7	7				
Spina bifida	22	16	4	1		1
Other anomalies of nervous system	28	17	6	2	3	
Anomalies of eye	5	4	1			
Anomalies of ear, face, and neck	11	8	2		1	
Bulbus cordis anomalies and anomalies of cardiac septal closure	5	3	1	1		
Other anomalies of heart	29	21	5	1	1	1
Other anomalies of circulatory system	11	10		1		
Anomalies of respiratory system	16	11	4		1	
Cleft palate and cleft lip	56	43	8	5		
Other anomalies of upper alimentary tract	7	3	4			
Other anomalies of digestive system	11	9	1	1		
Undescended testicle	24	15	6	2	1	
Hypospadias and epispadias	50	40	6	2	1	1
Other anomalies of genitourinary systems	38	27	8	2	1	
Congenital dislocation of hip	10	10				
Deformities of feet	59	49	8	2		
Polydactyly	77	50	18	7	1	1
Syndactyly	10	7	3			
Other anomalies of limbs	36	32	3			1
Other anomalies of musculoskeletal system	38	28	7	2	1	
Anomalies of the integument	36	24	9	2		1
Down's syndrome	25	21	3	1		
Other chromosomal anomalies	3	2	1			
Other and unspecified anomalies	24	16	6	1	1	

TABLE 22 - RESIDENT LIVE BIRTHS AND NATURAL FETAL DEATHS BY RACE AND SEX BY MONTH OF DELIVERY
AND NUMBER DELIVERED PER PREGNANCY, VIRGINIA, 1988

Month	LIVE BIRTHS						NATURAL FETAL DEATHS					
	Total	White		Nonwhite		Total	White			Nonwhite		
		Male	Female	Male	Female		Male	Female	Unk	Male	Female	Unk
TOTAL	92,816	34,876	33,346	12,450	12,144	7,896	358	253	5,071	272	163	1,779
January	7,266	2,654	2,624	992	996	686	30	23	444	21	15	153
February	7,048	2,648	2,522	971	907	679	37	16	425	23	13	165
March	7,753	2,998	2,810	990	955	716	37	20	452	24	10	173
April	7,222	2,817	2,640	862	903	647	39	28	412	28	8	132
May	7,673	3,015	2,717	958	983	648	31	26	404	31	14	142
June	7,705	2,842	2,830	1,035	998	620	28	22	386	13	11	160
July	8,353	3,136	2,982	1,148	1,087	629	27	12	406	21	16	147
August	8,630	3,234	3,069	1,194	1,133	659	19	20	424	27	14	155
September	8,202	3,064	2,911	1,136	1,091	644	27	21	433	23	13	127
October	7,898	2,985	2,820	1,078	1,015	689	28	28	436	30	21	146
November	7,256	2,709	2,607	996	944	611	25	19	398	18	15	136
December	7,810	2,774	2,814	1,090	1,132	668	30	18	451	13	13	143
Single births	90,682	34,150	32,587	12,154	11,791	7,746	326	225	5,038	252	150	1,755
Born as twins	2,059	703	730	289	337	131	29	26	29	16	13	18
Born as triplets	72	23	26	7	16	18	3	2	3	4		6
Born as quads	3		3			1			1			

TABLE 23 - RESIDENT LIVE BIRTHS BY SEX AND SEX RATIO OF MALES PER 1,000 FEMALES
BY RACE, VIRGINIA, 1979-1988

YEAR	Total				White				Nonwhite		
	Male	Female	Sex		Male	Female	Sex		Male	Female	Sex
			Ratio				Ratio				Ratio
1979	39,476	37,423	1.055		29,213	27,523	1.061		10,263	9,900	1.037
1980	40,086	38,337	1.046		29,842	28,205	1.058		10,244	10,132	1.011
1981	40,862	38,416	1.064		30,379	28,441	1.068		10,483	9,975	1.051
1982	41,626	39,472	1.055		31,198	29,271	1.066		10,428	10,201	1.022
1983	41,508	39,271	1.057		31,045	29,041	1.069		10,463	10,230	1.023
1984	42,430	40,232	1.055		31,596	29,795	1.060		10,834	10,437	1.038
1985	44,340	41,644	1.065		33,238	30,761	1.081		11,102	10,883	1.020
1986	44,307	42,818	1.035		32,777	31,623	1.036		11,530	11,195	1.030
1987	46,321	43,993	1.053		34,327	32,558	1.054		11,994	11,435	1.049
1988	47,326	45,490	1.040		34,876	33,346	1.046		12,450	12,144	1.025

TABLE 24 - RESIDENT PREGNANCIES (LIVE BIRTHS, NATURAL FETAL DEATHS AND INDUCED ABORTIONS)
BY RACE AND LEGITIMACY STATUS WITH PERCENT ILLEGITIMATE BY AGE OF MOTHER, VIRGINIA, 1988

Age of Mother	Total				White				Nonwhite		
	Number		Percent Illeg		Number		Percent Illeg		Number		Percent Illeg
	Total	Illeg			Total	Illeg			Total	Illeg	
TOTAL	134,349	53,449	39.8		95,928	29,045	30.3		38,421	24,404	63.5
Under 15 years	559	547	97.9		210	198	94.3		349	349	100.0
15-19 years	19,527	15,360	78.7		12,333	8,668	70.3		7,194	6,692	93.0
15 years	1,155	1,090	94.4		576	512	88.9		579	578	99.8
16 years	2,349	2,095	89.2		1,420	1,174	82.7		929	921	99.1
17 years	3,860	3,258	84.4		2,443	1,886	77.2		1,417	1,372	96.8
18 years	5,705	4,497	78.8		3,685	2,622	71.2		2,020	1,875	92.8
19 years	6,458	4,420	68.4		4,209	2,474	58.8		2,249	1,946	86.5
20-24 years	38,399	18,759	48.9		25,644	9,824	38.3		12,755	8,935	70.1
25-29 years	38,572	10,665	27.6		28,829	5,739	19.9		9,743	4,926	50.6
30-34 years	25,532	5,352	21.0		19,701	2,910	14.8		5,831	2,442	41.9
35-39 years	9,796	2,192	22.4		7,625	1,295	17.0		2,171	897	41.3
40-44 years	1,761	477	27.1		1,425	333	23.4		336	144	42.9
45 years & over	79	20	25.3		60	16	26.7		19	4	21.1
Unknown	124	77			101	62			23	15	

TABLE 25 - RESIDENT LIVE BIRTHS BY RACE AND LEGITIMACY STATUS WITH PERCENT ILLEGITIMATE
BY AGE OF MOTHER, VIRGINIA, 1988

Age of Mother	Total			White			Nonwhite		
	Number		Percent Illeg	Number		Percent Illeg	Number		Percent Illeg
	Total	Illeg		Total	Illeg		Total	Illeg	
TOTAL	92,816	22,072	23.8	68,222	8,994	13.2	24,594	13,078	53.2
Under 15 years	235	224	95.3	67	56	83.5	168	168	100.0
15-19 years	<u>10,179</u>	<u>6,459</u>	<u>63.5</u>	<u>5,990</u>	<u>2,700</u>	<u>45.1</u>	<u>4,189</u>	<u>3,759</u>	<u>89.7</u>
15 years	519	460	88.6	214	156	72.9	305	304	99.7
16 years	1,107	877	79.2	578	353	61.1	529	524	99.1
17 years	1,891	1,339	70.8	1,078	567	52.6	813	772	95.0
18 years	2,871	1,797	62.6	1,727	779	45.1	1,144	1,018	89.0
19 years	3,791	1,986	52.4	2,393	845	35.3	1,398	1,141	81.6
20-24 years	25,590	8,318	32.5	17,355	3,270	18.8	8,235	5,048	61.3
25-29 years	29,134	4,349	14.9	22,566	1,799	8.0	6,568	2,550	38.8
30-34 years	19,692	1,932	9.8	15,769	795	5.0	3,923	1,137	29.0
35-39 years	6,914	652	9.4	5,586	286	5.3	1,328	356	26.8
40-44 years	1,037	131	12.6	865	76	8.8	172	55	32.0
45 years & over	26	2	7.7	18	0	0.0	8	2	25.0
Unknown	9	5		6	2		3	3	

TABLE 26 - RESIDENT NATURAL FETAL DEATHS BY RACE AND LEGITIMACY STATUS WITH PERCENT ILLEGITIMATE
BY AGE OF MOTHER, VIRGINIA, 1988

Age of Mother	Total			White			Nonwhite		
	Number		Percent Illeg	Number		Percent Illeg	Number		Percent Illeg
	Total	Illeg		Total	Illeg		Total	Illeg	
TOTAL	7,896	2,892	36.6	5,682	1,536	27.0	2,214	1,356	61.2
Under 15 years	26	25	96.2	7	6	85.7	19	19	100.0
15-19 years	<u>823</u>	<u>621</u>	<u>75.5</u>	<u>492</u>	<u>317</u>	<u>64.4</u>	<u>331</u>	<u>304</u>	<u>91.8</u>
15 years	56	50	89.3	33	27	81.8	23	23	100.0
16 years	93	78	83.9	49	34	69.4	44	44	100.0
17 years	159	133	83.6	98	74	75.5	61	59	96.7
18 years	250	189	75.6	146	93	63.7	104	56	53.8
19 years	265	171	64.5	166	89	53.6	99	82	82.8
20-24 years	1,843	886	48.1	1,229	450	36.6	614	436	71.0
25-29 years	2,228	667	29.9	1,659	363	21.9	569	304	53.4
30-34 years	1,770	421	23.8	1,351	238	17.6	419	183	43.7
35-39 years	916	199	21.7	713	113	15.8	203	86	42.4
40-44 years	213	48	22.5	172	34	19.8	41	14	34.1
45 years & over	29	5	17.2	23	4	17.4	6	1	16.7
Unknown	48	20		36	11		12	9	

TABLE 27 - RESIDENT INDUCED ABORTIONS BY RACE AND LEGITIMACY STATUS WITH PERCENT ILLEGITIMATE
BY AGE OF MOTHER, VIRGINIA, 1988

Age of Mother	Total			White			Nonwhite		
	Number		Percent Illeg	Number		Percent Illeg	Number		Percent Illeg
	Total	Illeg		Total	Illeg		Total	Illeg	
TOTAL	33,637	28,485	84.7	22,024	18,515	84.1	11,613	9,970	85.9
Under 15 years	298	298	100.0	136	136	100.0	162	162	100.0
15-19 years	<u>8,525</u>	<u>8,280</u>	<u>97.1</u>	<u>5,851</u>	<u>5,651</u>	<u>96.6</u>	<u>2,674</u>	<u>2,629</u>	<u>98.3</u>
15 years	580	580	100.0	329	329	100.0	251	251	100.0
16 years	1,149	1,140	99.2	793	787	99.2	356	353	99.2
17 years	1,810	1,786	98.7	1,267	1,245	98.3	543	541	99.6
18 years	2,584	2,511	97.2	1,812	1,750	96.6	772	761	98.6
19 years	2,402	2,263	94.2	1,650	1,540	93.3	752	723	96.1
20-24 years	10,966	9,555	87.1	7,060	6,104	86.5	3,906	3,451	88.4
25-29 years	7,210	5,649	78.3	4,604	3,577	77.7	2,606	2,072	79.5
30-34 years	4,070	2,999	73.7	2,581	1,877	72.7	1,489	1,122	75.4
35-39 years	1,966	1,341	68.2	1,326	886	66.8	640	455	71.1
40-44 years	511	298	58.3	388	223	57.5	123	75	61.0
45 years & over	24	13	54.2	19	12	63.2	5	1	20.0
Unknown	67	52		59	49		8	3	

TABLE 28 - TEENAGE TOTAL PREGNANCIES, LIVE BIRTHS, INDUCED ABORTIONS, AND NATURAL FETAL DEATHS
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE, VIRGINIA, 1968

Planning District/ City or County	Teenage Total Pregnancies				Teenage Live Births				Teenage Induced Abortions				Teenage Natural Fetal Deaths			
	Total	Under 15	15-17	18-19	Total	Under 15	15-17	18-19	Total	Under 15	15-17	18-19	Total	Under 15	15-17	18-19
STATE OF VIRGINIA	20,086	559	7,364	12,163	10,414	235	3,517	6,662	8,823	298	3,539	4,986	849	26	308	515
District 1	299	3	103	193	246	3	82	161	49		19	31	4		2	1
Lee	77	1	24	52	69	1	23	45	8		1	7				
Scott	61		21	40	49		16	33	12		3	7				
Wise	148	1	51	96	115	1	34	78	29		12	17	4		3	1
Horton	13		7	5	13		7	5								
District 2	333	9	107	217	243	2	68	174	67	5	30	32	21	1	9	11
Buchanan	84	4	22	58	62	3	14	45	15	1	6	8	7		2	5
Dickenson	55	1	16	38	46		12	34	7		4	2	2			2
Russell	72		26	46	49		11	38	20		14	6	3		1	2
Tazewell	122	4	43	75	88		31	57	25	3	6	16	9	1	4	2
District 3	524	10	204	308	347	9	129	209	138	1	61	74	39		18	23
Bland	11		5	6	7		2	5	4			1				
Carroll	70	3	28	39	49	3	17	29	15		8	7	6		3	3
Grayson	56	1	25	30	37	1	16	20	15		7	8	4		2	2
Smyth	99		31	68	74		18	56	18		11	7	7		2	5
Washington	135	2	51	82	82	1	34	47	46	1	15	30	7		2	9
Wythe	88	1	42	45	46	1	21	24	30		16	14	12		3	7
Bristol	38		15	22	29		14	14	8		1	7	1			1
Galax	27	2	9	16	23	2	7	14	2			2	2		2	
District 4	529	9	163	357	246	2	93	151	254	7	60	187	29		10	19
Floyd	22		7	15	14		2	12	5		3	2	3		2	1
Giles	48	3	18	27	30		8	22	16	3	9	4	2		1	1
Montgomery	226	4	54	168	85	1	31	53	131	3	22	106	10		1	9
Pulaski	155	2	70	83	99	1	46	52	44	1	18	25	12		6	6
Radford	78		14	64	18		6	12	58		8	50	2			2
District 5	862	29	364	469	427	12	170	245	395	15	180	200	40	2	14	24
Alleghany	31		12	18	24		9	15	7		3	5	3			
Botetourt	43	1	18	24	23		10	13	18	1	8	9	2			2
Craig	13		6	7	9		2	7	4		4					
Roanoke	187	2	85	100	56		23	33	119	2	55	62	12		7	5
Clifton Forge	14	1	7	6	12	1	6	5	2		1	1				
Covington	23		8	15	14		4	10	9		4	5				
Roanoke City	461	21	200	240	261	10	109	142	178	9	86	83	22	2	5	15
Salem	90	3	28	59	28	1	7	20	58	2	19	37	4		2	2
District 6	560	9	172	379	331	2	98	231	205	7	68	132	24		8	18
Augusta	150	4	65	81	60		23	37	85	4	41	40	5		1	4
Beth	15	1	5	9	13	1	5	7					2			2
Highland	5		1	4	5		1	4								
Rockbridge	44		9	35	30		6	24	14		3	11				
Rockingham	157	1	39	117	83		22	61	68	1	13	54	6		4	2
Buena Vista	15		3	12	13		2	11	2		1	1				
Harrisonburg	54		13	41	38		10	28	12		2	10	4		1	3
Lexington	15		8	7	4		4		9		4	5	2			2
Staunton	52	1	16	35	40	1	13	26	8		1	7	4		2	2
Waynesboro	53	2	13	38	45		12	33	7	2	1	4	1			1
District 7	422	10	147	265	303	4	101	198	85	4	35	46	34	2	11	21
Clarke	27	1	14	12	16		10	6	7	1	3	4	4		1	3
Frederick	93	2	31	60	69		21	48	19	2	7	10	5		3	2
Page	73	2	23	48	47		14	33	16		8	8	10	2	1	7
Shenandoah	71	2	25	44	60	1	22	37	10	1	3	6	1			1
Warren	84		37	47	49		20	29	26		12	14	9		5	4
Winchester	74	3	17	54	62	3	14	45	7		2	5	5		1	4
District 8	3,370	78	1,266	2,028	1,286	30	421	835	1,977	44	805	1,128	107	2	40	65
Arlington	326	6	122	198	144	2	53	91	165	4	63	98	13		6	9
Fairfax	1,578	27	610	941	508	10	173	325	1,035	17	427	591	35		10	25
Loudoun	197	3	71	123	84	1	25	58	106	1	42	63	7	1	4	2
Prince William	677	19	253	405	327	8	99	220	326	11	145	170	24		9	15
Alexandria	433	19	161	253	160	8	54	98	256	10	101	145	17	1	6	10
Fairfax City	39		18	41	19		5	14	39		12	27	1		1	1
Falls Church	22		7	15	4		1	3	16		5	11	2		1	1
Manassas	66	2	21	43	29	1	8	20	32	1	10	21	5		3	2
Manassas Park	12		3	9	9		3	6	2		2	1				1
District 9	325	7	128	190	168	2	51	115	134	4	66	64	33	1	11	11
Culpeper	116	3	41	70	68		23	45	39	2	15	20	9		3	3
Fauquier	102		41	61	45		11	34	52		29	23	5		1	4
Madison	18	2	7	9	14	2	5	7	3		1	2	1		1	1
Orange	77		32	45	33		8	25	36		18	18	8		6	2
Sappahannock	12		7	5	8		4	4	4		3	1				
District 10	310	11	161	338	218	7	83	146	276	4	89	185	16		7	9
Albemarle	155	3	50	102	60	3	14	43	90		34	56	5		2	3
Fluvanna	34		8	26	16		3	13	17		5	12	1		1	1
Greene	34		14	20	20		10	10	10		3	7	4		1	3
Louisa	75	1	26	48	45	1	12	32	27		12	15	3		2	1
Halifax	34	1	16	17	19	1	9	9	14		7	7	1			1
Charlottesville	178	6	47	125	58	2	17	39	118	4	28	86	2		2	
District 11	653	19	242	392	367	7	122	238	253	11	108	134	33	1	12	20
Amherst	103		35	68	62		26	42	39		15	24	2			2
Appomattox	53	3	17	33	29	2	6	21	17	1	8	8	7		3	4
Bedford	97	2	39	56	57		23	34	33	2	13	18	7		3	4
Campbell	122	1	49	72	69		23	46	49	1	26	22	4			6
Bedford City	21	2	5	14	17	2	4	11	4		1	3				
Lynchburg	257	11	97	149	133	3	46	84	111	7	45	59	13	1	6	6

(continued)

TABLE 28 - TEENAGE TOTAL PREGNANCIES, LIVE BIRTHS, INDUCED ABORTIONS, AND NATURAL FETAL DEATHS
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE, VIRGINIA, 1980 (continued)

Planning District/ City or County	Teenage Total Pregnancies				Teenage Live Births				Teenage Induced Abortions				Teenage Natural Fetal Deaths			
	Total	Under 15	15-17	18-19	Total	Under 15	15-17	18-19	Total	Under 15	15-17	18-19	Total	Under 15	15-17	18-19
STATE OF VIRGINIA	20,086	559	7,364	12,163	10,414	235	3,517	6,662	8,823	298	3,539	4,986	849	26	308	515
District 12	817	15	342	460	439	3	173	281	317	8	134	153	41	2	13	24
Franklin	107		47	60	58		28	32	44		19	23	3		4	3
Henry	235	3	94	136	121	2	44	75	104	1	49	54	10		3	7
Patrick	42		15	27	28		5	23	12		8	4	2		2	
Pittsylvania	205	6	86	113	98		40	58	102	6	43	51	5		1	4
Danville	176	3	73	98	119	3	43	73	39		24	15	18	2	6	10
Martinsville	52	1	25	26	35		15	20	16	1	9	6	1		1	
District 13	266	15	99	132	144	6	48	90	101	7	46	48	21	2	2	14
Brunswick	48	2	17	29	23	2	8	13	21		9	12	4		2	4
Halifax	86	6	35	45	37	1	11	25	41	4	19	18	8	1	9	2
Mecklenburg	108	5	40	63	68	2	24	42	34	3	16	15	6			6
South Boston	24	2	7	15	16	1	5	10	5		2	3	3	1		2
District 14	335	7	113	215	211	2	64	144	105	4	44	57	19		9	14
Amelia	26		7	19	15		3	10	10		3	7	3		1	2
Buckingham	55	2	18	35	45		17	28	8	2	1	5	2			2
Charlotte	54		17	37	37		11	26	15		6	9	2			2
Cumberland	27	1	9	17	19		7	12	6	1	2	3	2			2
Lunenburg	42	1	22	19	24		8	16	15	1	13	1	3		1	2
Mottovay	43	1	16	26	28	1	7	20	14		8	6	1		1	
Prince Edward	88	2	24	62	45	2	11	32	37		11	26	6		2	4
District 15	2,720	100	1,005	1,615	1,164	39	402	723	1,473	59	573	841	81	2	30	51
Charles City Co.	17	1	9	7	6		1	5	10	1	8	1	1			1
Chesterfield	584	10	228	346	199	2	67	130	364	7	157	200	21	1	4	16
Dorchester	35		16	19	14		7	7	19		8	11	2		1	1
Hanover	151	3	47	101	54	1	12	41	90	2	33	55	7		2	3
Henrico	680	22	238	420	233	7	65	161	424	14	167	243	23	1	6	16
New Kent	29		10	19	10		1	9	19		9	10				
Powhatan	23	1	5	17	9		1	8	11	1	2	8	3		2	1
Richmond City	1,201	63	452	686	639	29	248	362	536	34	189	313	26		15	11
District 16	588	8	205	377	335	1	105	229	228	4	93	131	25	1	7	17
Caroline	70		24	46	39		12	27	27		12	15	4			4
King George	51	3	18	30	38	1	15	22	11	2	2	7	2		1	1
Spotsylvania	182	1	70	111	99		32	67	75	1	34	40	8		4	4
Stafford	160	2	63	95	89		31	58	66	1	31	34	3	1	1	3
Fredericksburg	125		30	95	70		15	55	49		14	35	6		1	5
District 17	117	4	46	67	77	1	30	46	38	3	15	20	2		1	1
Lancaster	29		9	20	16		4	12	13		5	8				
Northumberland	17	1	5	11	9		2	7	8	1	3	4				
Richmond	13		6	7	8		4	4	3		2	3				
Westmoreland	58	3	26	29	44	1	20	23	12	2	3	5	2		1	1
District 18	204	5	83	118	120		44	76	78	5	34	39	8		2	3
Essex	31	1	12	18	16		7	9	13	1	5	7	2			2
Gloucester	83	2	33	48	51		19	32	27	2	10	15	5		4	1
King and Queen	22	1	15	6	11		6	5	10	1	8	1	1		1	
King William	43		13	30	23		4	17	20		7	13				
Mathews	8	1	4	3	5		3	2	3	1	1	1				
Middlesex	19		6	13	14		3	11	5		3	2				
District 19	744	34	269	441	439	13	146	280	267	19	108	140	38	2	15	21
Dinwiddie	68	4	31	33	43	2	16	25	23	2	14	7	2		1	1
Greensville	57	3	17	37	35		10	25	19	3	6	10	3		1	2
Prince George	79	2	25	52	41	1	13	27	35	1	10	24	3		2	1
Surry	18	2	13	3	8	1	5	2	9	1	7	1	1		1	1
Sussex	48	2	14	32	32	1	9	26	14	1	8	5	2		1	1
Colonial Heights	62	1	21	40	29		4	23	31	1	14	16	2		1	1
Emporia	29	4	9	16	21	2	5	14	9	1	3	1	3	1	1	1
Hopewell	110	4	45	61	59	1	25	33	46	3	19	24	5		1	4
Petersburg	273	12	94	167	171	5	61	105	85	6	27	52	17	1	6	10
District 20	4,190	135	1,502	2,553	2,383	74	780	1,529	1,644	54	662	928	163	7	80	96
Isle of Wight	75	2	35	38	42	1	14	27	32	1	21	10	1			1
Southampton	37	2	9	26	28	1	7	20	7	1	2	4	2			2
Chesapeake	558	19	224	315	292	7	101	184	235	11	112	112	31	1	11	19
Franklin City	36		17	19	25		13	12	11		4	7				
Norfolk	1,426	48	465	913	899	32	293	574	474	13	155	306	53	3	17	33
Portsmouth	583	30	219	334	371	16	133	222	185	12	77	96	27	2	9	16
Suffolk	221	13	88	120	142	7	50	85	63	5	30	30	14	1	8	5
Virginia Beach	1,254	21	445	788	584	10	169	405	635	11	261	363	35		15	20
District 21	1,563	43	571	949	793	11	282	500	499	31	288	400	71	1	21	49
James City Co.	36	1	14	21	23	1	9	13	12		5	7	1			1
York	57		26	31	27		10	17	30		16	14				
Hampton	567	17	191	359	276	5	86	185	258	11	94	153	33	1	11	21
Newport News	787	21	303	463	424	5	164	235	329	16	129	184	34		10	24
Poquoson	25		10	15	9		3	6	16		7	9				
Williamsburg	91	4	27	60	34		10	24	54	4	17	23	3			3
District 22	149	3	68	78	105	1	43	61	36	2	22	12	8		3	5
Accomack	103	1	45	57	77		32	45	20	1	10	9	6		3	3
Northampton	46	2	23	21	28	1	11	16	16	1	12	3	2			2
Unknown	4		2	2					4		2	2				

TABLE 29 - NATURAL FETAL DEATHS BY LENGTH OF GESTATION BY RACE BY PLANNING DISTRICT
AND CITY OR COUNTY OF RESIDENCE, VIRGINIA, 1988

Planning District/ City or County	Natural Fetal Deaths			Length of Gestation					
	Total	White	Nonwhite	Under 20 Weeks			20 Weeks and Over		
				Total	White	Nonwhite	Total	White	Nonwhite
STATE OF VIRGINIA	7,896	5,682	2,214	7,081	5,212	1,869	813	470	343
District 1	23	22	1	16	15	1	7	7	
Lee	1	1		1	1				
Scott	3	3					3	3	
Wise	16	15	1	14	13	1	2	2	
Morton	3	3		1	1		2	2	
District 2	128	125	3	109	106	3	19	19	
Buchanan	38	37	1	35	34	1	3	3	
Dickenson	8	8		5	5		3	3	
Russell	37	37		33	33		4	4	
Tasevall	43	43		36	34	2	9	9	
District 3	171	164	7	149	143	6	22	21	1
Bland	3	3		3	3				
Carroll	25	25		21	21		4	4	
Grayson	21	20	1	20	19	1	1	1	
Smyth	27	27		22	22		5	5	
Washington	34	34		29	29		5	5	
Wythe	45	40	5	41	37	4	4	3	1
Bristol	2	2		2	2				
Galen	14	13	1	11	10	1	3	3	
District 4	149	136	13	130	120	10	19	16	3
Floyd	11	11		9	9		2	2	
Giles	8	8		7	7		1	1	
Montgomery	85	76	9	71	65	6	14	11	3
Pulaski	37	33	4	35	31	4	2	2	
Radford	8	8		8	8				
District 5	357	290	67	331	273	58	26	17	9
Alleghany	11	11		11	11				
Botetourt	25	24	1	23	22	1	2	2	
Craig	5	5		5	5				
Roanoke	102	94	8	98	90	8	4	4	
Clifton Forge	3	3		3	3				
Covington	8	7	1	8	7	1			
Roanoke City	181	106	75	145	99	46	16	7	9
Salem	42	40	2	38	36	2	4	4	
District 6	233	223	10	211	203	8	22	18	4
Augusta	40	38	2	34	34		6	4	2
Bath	2	2		1	1		1	1	
Highland									
Rockbridge	8	7	1	5	4	1	3	3	
Rockingham	73	71	2	70	68	2	3	3	
Buena Vista	7	6	1	6	6		1		1
Harrisonburg	44	43	1	44	43	1			
Lexington	11	10	1	9	8	1	2	2	
Staunton	43	41	2	38	37	1	5	4	1
Waynesboro	5	5		4	4		1	1	
District 7	209	197	12	176	170	6	33	27	6
Clarke	14	12	2	10	9	1	4	3	1
Frederick	34	32	2	28	28		6	4	2
Page	35	35		30	30		5	5	
Shenandoah	44	42	2	35	34	1	9	8	1
Warren	50	45	5	43	40	3	7	5	2
Winchester	32	31	1	30	29	1	2	2	
District 8	1,681	1,368	313	1,516	1,252	264	165	116	49
Arlington	141	102	39	115	84	31	26	18	8
Fairfax	823	690	133	756	643	113	67	47	20
Loudoun	103	95	8	94	89	5	9	6	3
Prince William	323	278	45	288	250	38	35	28	7
Alexandria	205	125	80	190	118	72	15	7	8
Fairfax City	8	7	1	8	7	1			
Falls Church	7	7		6	6		1	1	
Manassas	62	56	6	50	47	3	12	9	3
Manassas Park	9	8	1	9	8	1			
District 9	164	136	28	151	127	24	13	9	4
Culpeper	56	44	12	51	41	10	5	3	2
Fauquier	57	50	7	51	45	6	6	5	1
Madison	12	9	3	12	9	3			
Orange	32	26	6	30	25	5	2	1	1
Rappahannock	7	7		7	7				
District 10	233	184	49	209	166	43	24	18	6
Albemarle	77	68	9	69	60	9	8	8	
Fluvanna	11	5	6	11	5	6			
Greene	17	17		16	16		1	1	
Louisa	29	20	9	25	18	7	4	2	2
Nelson	13	7	6	11	7	4	2		2
Charlottesville	86	67	19	77	60	17	9	7	2
District 11	308	231	77	290	224	66	18	7	11
Annehart	36	25	11	33	24	9	3	1	2
Appomattox	22	11	11	22	11	11			
Bedford	48	45	3	47	44	3	1	1	
Campbell	49	38	11	46	36	10	3	2	1
Bedford City	10	8	2	9	7	2	1	1	
Lynchburg	143	104	39	133	102	31	10	2	8

(continued)

TABLE 29 - NATURAL FETAL DEATHS BY LENGTH OF GESTATION BY RACE BY PLANNING DISTRICT
AND CITY OR COUNTY OF RESIDENCE, VIRGINIA, 1988 (continued)

Planning District/ City or County	Natural Fetal Deaths			Length of Gestation					
	Total	White	Nonwhite	Under 20 Weeks			20 Weeks and Over		
				Total	White	Nonwhite	Total	White	Nonwhite
STATE OF VIRGINIA	7,896	5,682	2,214	7,081	5,212	1,869	815	470	345
District 12	340	196	144	310	186	124	30	10	20
Franklin	44	36	8	43	38	5	1		1
Henry	58	39	19	51	36	15	7	3	4
Patrick	9	8	1	6	6		3	2	1
Pittsylvania	88	46	42	78	43	35	10	3	7
Danville	122	56	66	115	55	60	7	1	6
Martinsville	19	11	8	17	10	7	2	1	1
District 13	105	53	52	87	46	41	18	7	11
Brunswick	23	6	17	19	3	16	4	1	3
Halifax	32	18	14	27	15	12	5	3	2
Hacklenburg	37	20	17	30	18	12	7	2	5
South Boston	13	9	4	11	8	3	2	1	1
District 14	119	58	61	104	56	48	15	2	13
Amelia	21	16	5	19	16	3	2		2
Buckingham	14	7	7	12	7	5	2		2
Charlotte	18	9	9	17	9	8	1		1
Cumberland	9	4	5	7	4	3	2		2
Lunenburg	16	5	11	12	3	9	4	2	2
Nottoway	13	5	8	12	5	7	1		1
Prince Edward	28	12	16	25	12	13	3		3
District 15	1,141	824	317	1,033	782	251	108	42	66
Charles City Co.	7	3	4	5	3	2	2		2
Chesterfield	350	291	59	325	273	52	25	18	7
Goochland	16	13	3	15	12	3	1	1	
Hanover	87	75	12	80	70	10	7	5	2
Henrico	379	294	85	358	285	73	21	9	12
New Kent	18	14	4	18	14	4			
Powhatan	15	11	4	10	8	2	5	3	2
Richmond City	269	123	146	222	117	105	47	6	41
District 16	241	205	36	225	191	34	16	14	2
Caroline	33	21	12	29	19	10	4	2	2
King George	16	14	2	14	12	2	2	2	
Spotsylvania	79	73	6	75	69	6	4	4	
Stafford	68	59	9	66	57	9	2	2	
Fredericksburg	45	38	7	41	34	7	4	4	
District 17	22	14	8	17	14	3	5		5
Lancaster	3	2	1	2	2		1		1
Northumberland	1	1		1	1				
Richmond	5	4	1	4	4		1		1
Westmoreland	13	7	6	10	7	3	3		3
District 18	76	64	12	72	61	11	4	3	1
Essex	6	6		6	6				
Gloucester	33	30	3	32	29	3	1	1	
King and Queen	11	10	1	9	8	1	2	2	
King William	13	9	4	13	8	5	4		
Mathews	4	2	2	3	2	1	1		1
Middlesex	9	7	2	9	7	2			
District 19	291	112	179	253	97	156	38	15	23
Dinwiddie	22	10	12	19	9	10	3	1	2
Greensville	12	1	11	10	1	9	2		2
Prince George	28	17	11	27	17	10	1		1
Surry	9	2	7	9	2	7			
Sussex	24	4	20	21	4	17	3		3
Colonial Heights	35	29	6	32	26	6	3	3	
Emporia	14	5	9	13	5	8	1		1
Hopewell	40	26	14	33	19	14	7	7	
Petersburg	107	18	89	89	14	75	18	4	14
District 20	1,303	767	536	1,156	692	464	147	75	72
Isle of Wight	33	16	17	30	14	16	3	2	1
Southampton	4	1	3	4	1	3			
Chesapeake	209	131	78	186	121	65	23	10	13
Franklin City	5	4	1	4	3	1	1	1	
Norfolk	415	204	211	363	180	183	52	24	28
Fortsmouth	188	89	99	169	84	85	19	5	14
Suffolk	101	45	56	93	42	51	8	3	5
Virginia Beach	348	277	71	307	247	60	41	30	11
District 21	533	285	248	477	260	217	56	25	31
James City Co.	24	19	5	22	17	5	2	2	
York	20	15	5	18	13	5	2	2	
Hampton	200	95	105	175	85	90	25	10	15
Newport News	249	127	122	225	119	106	24	8	16
Poquoson	6	6		6	6				
Williamsburg	34	23	11	31	20	11	3	3	
District 22	67	26	41	57	24	33	10	2	8
Accomack	42	17	25	35	15	20	7	2	3
Northampton	25	9	16	22	9	13	3		3
Unknown	2	2		2	2				

TABLE 30 - RESIDENT NATURAL FETAL DEATHS BY AGE OF MOTHER BY PLANNING DISTRICT
AND CITY OR COUNTY OF RESIDENCE, VIRGINIA, 1988

Planning District/ City or County	Total	Age of Mother								
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	Unknown
STATE OF VIRGINIA	7,896	26	823	1,843	2,228	1,770	916	213	29	48
<u>District 1</u>	<u>23</u>		<u>4</u>	<u>6</u>	<u>7</u>	<u>4</u>	<u>2</u>			
Lee	1			1						
Scott	3			2		1				
Wise	16		4	2	5	3	2			
Norton	3			1	2					
<u>District 2</u>	<u>128</u>	<u>1</u>	<u>20</u>	<u>29</u>	<u>43</u>	<u>19</u>	<u>7</u>	<u>4</u>	<u>1</u>	<u>2</u>
Buchanan	38		7	8	17	3	2		1	2
Dickenson	8		2	4	1			1		
Russell	37		3	10	11	9	3	1		
Tazewell	45	1	8	7	16	7	4	2		
<u>District 3</u>	<u>171</u>		<u>39</u>	<u>49</u>	<u>57</u>	<u>28</u>	<u>15</u>	<u>3</u>		
Bland	3			2	1					
Carroll	25		6	5	5	7	1	1		
Grayson	21		4	8	3	1	4	1		
Smyth	27		7	6	7	5	2			
Washington	34		7	9	9	5	3	1		
Wythe	45		12	15	9	6	3			
Bristol	2		1	1						
Galax	14		2	3	3	4	2			
<u>District 4</u>	<u>149</u>		<u>29</u>	<u>46</u>	<u>29</u>	<u>28</u>	<u>11</u>	<u>4</u>		<u>2</u>
Floyd	11		3	5	2	1				
Giles	8		2	3	1	2				
Montgomery	85		10	23	21	19	7	2		1
Pulaski	37		12	10	5	4	4	1		1
Radford	8		2	3	2	2		1		
<u>District 5</u>	<u>357</u>	<u>2</u>	<u>38</u>	<u>64</u>	<u>121</u>	<u>97</u>	<u>30</u>	<u>4</u>		<u>1</u>
Alleghany	11			3	4	2	2			
Botetourt	25		2	4	9	8	2			
Craig	5				4	1				
Roanoke	102		12	15	35	31	8	1		
Clifton Forge	3			2		1				
Covington	8			1	3	3	1			
Roanoke City	161	2	20	33	52	36	13	2		1
Salem	42		4	6	14	15	2	1		
<u>District 6</u>	<u>333</u>		<u>24</u>	<u>54</u>	<u>64</u>	<u>57</u>	<u>23</u>	<u>7</u>	<u>4</u>	
Augusta	40		5	9	9	14	3			
Bach	2		2							
Highland										
Rockbridge	8			2		5	1			
Rockingham	73		6	15	20	15	13	3	1	
Buena Vista	7			3		3	1			
Harrisonburg	44		4	13	15	9	3			
Lexington	11		2		4	2	1	2		
Staunton	43		4	11	14	8	1	2	3	
Waynesboro	5		1	1	2	1				
<u>District 7</u>	<u>209</u>	<u>2</u>	<u>32</u>	<u>50</u>	<u>58</u>	<u>45</u>	<u>20</u>	<u>2</u>		
Clarke	14		4	4	2	2	2			
Frederick	34		5	12	11	4	2			
Page	35	2	8	7	2	12	4			
Shenandoah	44		1	11	17	9	6			
Warren	50		9	10	14	10	5	2		
Winchester	32		5	6	12	8	1			
<u>District 8</u>	<u>1,681</u>	<u>2</u>	<u>105</u>	<u>297</u>	<u>488</u>	<u>441</u>	<u>263</u>	<u>68</u>	<u>6</u>	<u>11</u>
Arlington	141		15	21	41	38	22	4		
Fairfax	823		35	118	239	219	160	42	4	6
Loudoun	103	1	6	22	24	32	14	2	1	1
Prince William	323		24	76	103	80	35	5		
Alexandria	205	1	16	41	51	53	26	13		4
Fairfax City	8		1	1	2	3	1			
Falls Church	7		2	2	1	1			1	
Manassas	62		5	14	24	12	5	2		
Manassas Park	9		1	2	3	3				
<u>District 9</u>	<u>164</u>	<u>1</u>	<u>22</u>	<u>40</u>	<u>40</u>	<u>35</u>	<u>22</u>	<u>5</u>		<u>1</u>
Culpeper	56	1	8	16	13	8	8	2		
Fauquier	57		5	13	19	12	6	1		1
Madison	12		1	2	5	3	1			
Orange	32		8	9	2	6	6	1		
Rappahannock	7				1	4	1	1		
<u>District 10</u>	<u>233</u>		<u>16</u>	<u>57</u>	<u>79</u>	<u>40</u>	<u>28</u>	<u>10</u>	<u>1</u>	<u>2</u>
Albemarle	77		5	18	28	14	8	4	1	1
Fluvanna	11		1	3	4	2	1			
Greene	17		4	4	5	3		1		
Louisa	29		3	4	15	5	2			
Nelson	13		1	3	7		1			
Charlottesville	86		2	25	22	16	16	4		1
<u>District 11</u>	<u>308</u>	<u>1</u>	<u>32</u>	<u>75</u>	<u>93</u>	<u>71</u>	<u>29</u>	<u>7</u>		<u>1</u>
Amherst	36		2	8	14	10	2			
Appomattox	22		7	1	4	6	3	1		
Bedford	48		7	11	17	7	6			
Campbell	49		4	17	13	9	4	2		
Bedford City	10			2	4	4				
Lynchburg	143	1	12	36	41	35	13	4		1

(continued)

TABLE 30 - RESIDENT NATURAL FETAL DEATHS BY AGE OF MOTHER BY PLANNING DISTRICT
AND CITY OR COUNTY OF RESIDENCE, VIRGINIA, 1988 (continued)

Planning District/ City or County	Total	Age of Mother								
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45 & over	Unknown
STATE OF VIRGINIA	7,896	26	823	1,843	2,228	1,770	916	213	29	48
District 12	340	2	19	96	105	53	33	7	1	4
Franklin	44		5	11	15	8	5			
Henry	58		10	16	19	8	3	1	1	
Petricks	9		2	1	3	2				1
Pittsylvania	88		5	27	24	15	13	3		1
Danville	122	2	6	33	37	19	10	3		2
Martinsville	19		1	8	7	1	2			
District 13	105	2	19	25	26	21	7	4	1	
Brunswick	23		4	6	5	6	1		1	
Halifax	32	1	7	6	9	3	4	2		
Mecklenburg	37		6	9	8	10	2	2		
South Boston	13	1	2	4	4	2				
District 14	119		19	17	32	24	12	3	1	1
Amelia	21		3	1	5	6	5		1	
Buckingham	14		2	3	3	3		2		1
Charlotte	18		2	8	4	3	1			
Cumberland	9		2	2	3	1	1			
Lunenburg	16		3	4	3	3	3			
Nottoway	13		1	1	7	4				
Prince Edward	28		6	8	7	4	2	1		
District 15	1,141	2	81	117	319	300	168	33	9	12
Charles City Co.	7		1	3	2	1				
Chesterfield	350	1	20	59	97	103	53	11	4	2
Goochland	16		2	3	7	4				
Hanover	87		7	13	25	24	10	4	2	2
Henrico	379	1	22	68	109	94	63	15	1	6
New Kent	18			4	6	4	3		1	
Powhatan	15		3	3	3	5	1			
Richmond City	269		16	54	70	65	38	3	1	2
District 16	241	1	14	22	71	45	21	5	1	1
Caroline	33		4	8	8	4	7	2		
King George	16		2	5	7	2				
Spotsylvania	79		8	24	26	13	5	2		1
Stafford	68	1	4	17	18	21	6	1		
Fredericksburg	45		6	18	12	5	3		1	
District 17	22		2		9	8	2			
Lancaster	3				1	2				
Northumberland	1					1				
Richmond	5				2	3				
Westmoreland	13		2	1	8	2	2			
District 18	76		8	14	13	22	7	2		
Essex	6		2		1	1	2			
Gloucester	33		5	8	9	9	2			
King and Queen	11		1	2	3	4		1		
King William	13			4	6	2	1			
Mathews	4				1	2		1		
Middlesex	9				3	4	2			
District 19	291	2	16	86	76	58	23	8	1	1
Dinwiddie	22		2	4	8	6	2			
Greensville	12		3	3	3	1	2			
Prince George	28		3	10	5	7	2	1		
Surry	9		1	2	3	2		1		
Sussex	24		2	9	7	6				
Colonial Heights	35		2	7	15	3	6	1		1
Emporia	14	1	2	4		5	1	1		
Hopewell	40		5	8	13	6	4	3	1	
Petersburg	107	1	16	39	22	22	6	1		
District 20	1,303	7	156	378	344	259	132	26	2	5
Isle of Wight	33		1	10	7	9	6			
Southampton	4		2		1		1			
Chesapeake	209	1	30	48	50	46	28	4		2
Franklin City	5			3	1		1			
Norfolk	415	3	50	146	112	62	33	4	2	3
Portsmouth	188	2	25	59	48	36	17	1		
Suffolk	101	1	13	18	28	27	12	2		
Virginia Beach	348		35	94	97	79	34	9		
District 21	533	1	70	140	147	105	52	15	1	2
James City Co.	24		1	6	5	8	3	1		
York	20			6	6	5	3			
Hampton	200	1	32	52	53	34	21	6		1
Newport News	249		34	66	74	49	19	5	1	1
Poquoson	6			2	1	2		1		
Williamsburg	34		3	8	8	7	6	2		
District 22	67		8	20	15	12	10	2		
Accomack	42		6	14	9	7	4	2		
Northampton	25		2	6	6	5	6			
Unknown	2									2

TABLE 31 - INDUCED ABORTIONS BY RACE AND LEGITIMACY STATUS WITH PERCENT ILLEGITIMATE
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE, VIRGINIA, 1988

Planning District/ City or County	All Induced Abortions			Illegitimate			Percent Illegitimate		
	Total	White	Nonwhite	Total	White	Nonwhite	Total	White	Nonwhite
STATE OF VIRGINIA	33,637	22,024	11,613	28,483	18,515	9,970	84.7	84.1	83.9
District 1	166	139	7	122	117	5	73.5	73.6	71.4
Lee	41	41		22	22		53.7	53.7	
Scott	33	32	1	24	24		72.7	75.0	0.0
Wise	87	81	6	74	69	5	85.1	85.2	83.3
Morton	5	5		2	2		40.0	40.0	
District 2	181	172	9	132	128	6	72.9	73.3	66.7
Buchanan	37	36	1	36	35	1	63.2	62.5	100.0
Dickenson	17	16	1	15	14	1	88.2	87.5	100.0
Russell	46	46		32	32		69.6	69.6	
Tazewell	61	54	7	49	45	4	80.3	83.3	57.1
District 3	392	374	18	307	289	18	78.3	77.3	100.0
Bland	8	7	1	7	6	1	87.5	85.7	100.0
Carroll	58	56	2	46	44	2	79.3	78.6	100.0
Grayson	33	29	4	24	20	4	72.7	69.0	100.0
Smyth	47	46	1	41	40	1	87.2	87.0	100.0
Washington	123	117	6	100	94	6	81.3	80.3	100.0
Wythe	79	76	3	56	53	3	70.9	69.7	100.0
Bristol	31	31		23	23		74.2	74.2	
Galax	13	12	1	10	9	1	76.9	75.0	100.0
District 4	755	704	51	652	606	46	86.4	86.1	90.2
Floyd	51	30	1	22	22		71.0	73.3	0.0
Giles	36	34	2	27	26	1	75.0	76.3	50.0
Montgomery	443	416	27	380	355	25	85.8	85.3	92.6
Pulaski	96	85	11	78	68	10	81.3	80.0	90.9
Radford	149	139	10	145	135	10	97.3	97.1	100.0
District 5	1,228	956	272	1,040	798	242	84.7	83.5	89.0
Alleghany	17	14	3	14	12	2	82.4	85.7	66.7
Botetourt	60	57	3	52	49	3	86.7	86.0	100.0
Craig	11	11		8	8		72.7	72.7	
Roanoke	333	309	24	279	259	20	83.8	83.8	83.3
Clifton Forge	11	6	5	10	6	4	90.9	100.0	80.0
Covington	26	21	5	21	17	4	80.8	81.0	80.0
Roanoke City	617	394	223	531	329	202	86.1	83.5	90.6
Salem	153	144	9	125	118	7	81.7	81.9	77.8
District 6	644	577	67	542	489	53	84.2	84.7	79.1
Augusta	231	219	32	204	179	25	81.3	81.7	78.1
Bath	3	3		1	1		33.3	33.3	
Highland	3	3		1	1		33.3	33.3	
Rockbridge	41	40	1	35	34	1	85.4	85.0	100.0
Rockingham	233	217	16	202	189	13	86.7	87.1	81.3
Buena Vista	7	7		6	6		85.7	85.7	
Harrisonburg	32	29	3	32	29	3	100.0	100.0	100.0
Lexington	24	22	2	19	17	2	79.2	77.3	100.0
Staunton	27	21	6	23	18	5	85.2	85.7	83.3
Waynesboro	23	16	7	19	15	4	82.6	93.8	57.1
District 7	283	270	13	237	224	13	83.2	83.0	86.7
Clarke	30	27	3	26	23	3	86.7	85.2	100.0
Frederick	61	59	2	53	51	2	86.9	86.4	100.0
Page	53	49	4	39	36	3	73.6	73.5	75.0
Shenandoah	30	29	1	26	26		86.7	89.7	0.0
Warren	70	69	1	59	58	1	84.3	84.1	100.0
Winchester	41	37	4	34	30	4	82.9	81.1	100.0
District 8	5,004	4,885	2,119	4,609	4,951	1,658	84.5	86.4	78.2
Arlington	940	879	261	807	601	206	85.9	88.5	78.9
Fairfax	4,597	3,680	917	3,936	3,234	702	85.6	87.9	76.6
Loudoun	421	379	42	371	336	35	88.1	88.7	83.3
Prince William	1,362	1,092	270	1,092	887	205	80.2	81.2	75.9
Alexandria	1,348	768	580	1,115	642	473	82.7	83.6	81.6
Fairfax City	175	146	29	159	134	25	90.9	91.8	86.2
Falls Church	48	40	8	43	37	6	89.6	92.5	75.0
Manassas	107	93	12	80	74	6	74.8	77.9	50.0
Manassas Park	6	6		6	6		100.0	100.0	
District 9	438	328	110	374	274	100	85.4	83.3	90.9
Culpeper	107	73	34	92	63	29	86.0	86.3	85.3
Fauquier	184	149	35	156	124	32	84.8	83.2	91.4
Madison	23	17	6	19	13	6	82.6	76.5	100.0
Orange	109	76	33	93	62	31	85.3	81.6	93.9
Rappahannock	15	13	2	14	12	2	93.3	92.3	100.0
District 10	999	709	290	871	611	260	87.2	86.2	89.7
Albemarle	351	279	72	300	239	61	85.5	85.7	84.7
Fluvanna	55	33	22	45	24	21	81.8	72.7	95.5
Greene	36	30	6	31	25	6	86.1	83.3	100.0
Louisa	82	53	29	72	46	26	87.8	86.8	89.7
Nelson	55	38	17	42	29	13	76.4	68.4	94.1
Charlottesville	420	276	144	381	251	130	90.7	90.9	90.3
District 11	820	535	285	677	433	244	82.6	80.9	85.6
Amherst	112	77	35	95	67	28	84.8	87.0	80.0
Appomattox	44	24	20	38	21	17	86.4	87.5	85.0
Bedford	102	88	13	82	69	13	80.4	77.5	100.0
Campbell	164	111	53	135	89	46	82.3	80.2	86.8
Bedford City	20	13	7	15	10	5	75.0	76.9	71.4
Lynchburg	378	221	157	312	177	135	82.5	80.1	86.0

(continued)

TABLE 31 - INDUCED ABORTIONS BY RACE AND LEGITIMACY STATUS WITH PERCENT ILLEGITIMATE
BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE, VIRGINIA, 1988 (continued)

Planning District/ City or County	All Induced Abortions			Illegitimate			Percent Illegitimate		
	Total	White	Nonwhite	Total	White	Nonwhite	Total	White	Nonwhite
STATE OF VIRGINIA	33,637	22,024	11,613	28,483	18,315	9,970	84.7	84.1	85.9
District 12	954	624	330	758	479	279	79.5	76.8	84.5
Franklin	113	94	21	97	80	17	84.3	85.1	81.0
Henry	301	216	85	242	169	73	80.4	78.2	85.9
Patrick	37	31	6	28	22	6	75.7	71.0	100.0
Pittsylvania	314	175	139	236	121	115	75.2	69.1	82.7
Danville	129	74	55	102	57	45	79.1	77.0	81.8
Martinsville	58	34	24	53	30	23	91.4	88.2	95.8
District 13	324	132	192	280	110	170	86.4	83.3	88.5
Brunswick	78	16	62	71	12	59	91.0	75.0	95.2
Halifax	119	63	56	100	53	47	84.0	84.1	83.9
Mecklenburg	105	45	60	92	39	53	87.6	86.7	88.3
South Boston	22	8	14	17	6	11	77.3	75.0	78.6
District 14	343	178	165	310	159	151	90.4	89.3	91.5
Amelia	31	18	13	28	16	12	90.3	88.9	92.3
Buckingham	40	16	24	34	12	22	85.0	75.0	91.7
Charlotte	39	23	16	28	17	11	71.8	73.9	68.8
Cumberland	22	10	12	18	8	10	81.8	80.0	83.3
Lunenburg	50	28	22	49	27	22	98.0	96.4	100.0
Nottoway	56	24	32	53	22	31	94.6	91.7	96.9
Prince Edward	105	59	46	100	57	43	95.2	96.6	93.5
District 15	5,490	2,882	2,608	5,111	2,655	2,456	93.1	92.1	94.2
Charles City Co.	42	10	32	38	9	29	90.5	90.0	90.6
Chesterfield	1,207	895	312	1,076	802	274	89.1	89.6	87.8
Goochland	52	24	28	49	22	27	94.2	91.7	96.4
Hanover	275	232	43	248	208	40	90.2	89.7	93.0
Henrico	1,576	973	603	1,466	901	565	93.0	92.6	93.7
New Kent	51	32	19	49	30	19	96.1	93.8	100.0
Powhatan	53	39	14	49	36	13	92.5	92.3	92.9
Richmond City	2,234	677	1,557	2,136	647	1,489	95.6	95.6	95.6
District 16	832	636	196	720	536	184	86.5	84.3	93.9
Caroline	111	44	67	98	38	61	89.2	86.4	91.0
King George	41	26	15	40	25	15	97.6	96.2	100.0
Spotsylvania	218	184	34	192	161	31	88.1	87.5	91.2
Stafford	247	224	23	205	183	22	83.0	81.7	95.7
Fredericksburg	215	158	57	184	129	55	85.6	81.6	96.5
District 17	157	69	88	149	63	86	94.9	91.3	97.7
Lancaster	40	15	25	39	14	25	97.5	93.3	100.0
Northumberland	30	9	21	30	9	21	100.0	100.0	100.0
Richmond	27	19	8	22	16	6	81.5	84.2	75.0
Westmoreland	60	26	34	58	24	34	96.7	92.3	100.0
District 18	275	180	95	229	143	86	83.3	79.4	90.5
Essex	39	24	15	38	23	15	97.4	95.8	100.0
Gloucester	109	86	23	78	57	21	71.6	66.3	91.3
King and Queen	28	11	17	26	10	16	92.9	90.9	94.1
King William	55	31	24	50	28	22	90.9	90.3	91.7
Mathews	21	16	5	19	14	5	90.5	87.5	100.0
Middlesex	23	12	11	18	11	7	78.3	91.7	63.6
District 19	942	377	565	829	333	496	88.0	88.3	87.8
Dinwiddie	79	33	44	70	30	40	88.6	85.7	90.9
Greensville	67	26	41	63	25	38	94.0	96.2	92.7
Prince George	114	61	53	97	57	40	85.1	93.4	75.5
Surry	20	10	10	18	8	10	90.0	80.0	100.0
Sussex	59	18	41	54	16	38	91.5	88.9	92.7
Colonial Heights	84	77	7	75	69	6	89.3	89.6	85.7
Emporia	12	4	8	10	3	7	83.3	75.0	87.5
Hopewell	144	81	63	125	69	56	86.8	85.2	88.9
Petersburg	363	65	298	317	56	261	87.3	86.2	87.6
District 20	6,574	3,914	2,660	5,210	3,038	2,172	79.3	77.6	81.7
Isle of Wight	104	54	50	88	44	44	84.6	81.5	88.0
Southampton	28	11	17	26	10	16	92.9	90.9	94.1
Chesapeake	776	452	324	637	360	277	82.1	79.6	85.5
Franklin City	32	13	19	28	13	15	87.5	100.0	78.9
Norfolk	2,138	1,030	1,108	1,660	761	899	77.6	73.9	81.1
Portsmouth	671	277	394	559	227	332	83.3	81.9	84.3
Suffolk	211	96	115	175	73	102	82.9	76.0	88.7
Virginia Beach	2,614	1,981	633	2,037	1,550	487	77.9	78.2	76.9
District 21	2,730	1,303	1,427	2,244	1,038	1,206	82.2	79.7	84.5
James City Co.	52	37	15	45	33	12	86.5	89.2	80.0
York	99	71	28	81	58	23	81.8	81.7	82.1
Hampton	1,058	416	642	882	322	560	83.4	77.4	87.2
Newport News	1,261	587	674	1,014	463	551	80.4	78.9	81.8
Poquoson	47	47		36	36		76.6	76.6	
Williamsburg	213	145	68	186	126	60	87.3	86.9	88.2
District 22	93	51	42	75	38	37	80.6	74.5	88.1
Accomack	37	30	7	44	20	24	77.2	66.7	88.9
Northampton	36	21	15	31	18	13	86.1	85.7	86.7
Unknown	11	9	2	7	5	2			

TABLE 32
RESIDENT INDUCED ABORTIONS BY AGE OF MOTHER BY PLANNING DISTRICT
AND CITY OR COUNTY OF RESIDENCE, VIRGINIA, 1988

Planning District/ City or County	Total	Age of Mother								
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Unknown
STATE OF VIRGINIA	33,637	298	8,525	10,966	7,210	4,070	1,966	511	24	67
District 1	166		49	50	30	13	18	4		2
Lee	41		8	15	4	3	7	2		2
Scott	33		12	9	4	3	3			
Wise	87		29	24	19	7	6	2		
Norton	5			2	3					
District 2	181	5	62	49	35	18	8	4		
Buchanan	57	1	14	16	17	5	3	1		
Dickenson	17	1	6	4	4	2				
Russell	46		20	11	2	8	4	1		
Tazewell	61	3	22	18	12	3	1	2		
District 3	392	1	137	116	66	42	22	8		
Bland	8		4		2	1	1			
Carroll	58		15	18	13	7	4	1		
Grayson	33		15	10	5	2	1			
Smyth	47		18	18	4	2	3	2		
Washington	123	1	45	41	19	9	5	3		
Wythe	79		30	15	19	10	5			
Bristol	31		8	8	3	8	2	2		
Galax	13		2	6	1	3	1			
District 4	755	7	247	316	80	60	33	11	1	
Floyd	31		5	11	2	10	3			
Giles	36	3	13	12	2	1	5			
Montgomery	443	3	128	189	56	37	21	8	1	
Pulaski	96	1	43	27	12	8	2	3		
Radford	149		58	77	8	4	2			
District 5	1,228	15	380	386	226	126	79	15		1
Alleghany	17	1	6	4	3	2	1			
Botetourt	60	1	17	27	10	2	3			
Craig	11		4	3	2		1	1		
Roanoke	333	2	117	89	56	35	29	5		
Clifton Forge	11		2	3	1	5				
Covington	26		9	6	5	2	2	2		
Roanoke City	617	9	169	208	126	64	36	4		1
Salum	153	2	56	46	23	16	7	3		
District 6	644	7	198	317	107	62	43	9		1
Augusta	251	4	81	68	45	31	16	5		1
Bath	3			1	1	1				
Highland	3			3						
Rockbridge	41		14	16	4	3	4			
Rockingham	233	1	67	92	38	18	15	2		
Buena Vista	7		2	1	3		1			
Harrisonburg	32		12	15	3		1	1		
Lexington	24		9	9		4	2			
Staunton	27		8	6	6	4	2	1		
Waynesboro	23	2	5	9	4	1	2			
District 7	285	4	81	75	52	28	29	3	1	12
Clarke	30	1	6	13	6	1	2	1		
Frederick	61	2	17	16	9	8	7			2
Page	53		16	16	7	5	6	2	1	
Shenandoah	30	1	9	7	8	4	1			
Warren	70		26	12	17	6	8			1
Winchester	41		7	11	5	4	5			9
District 8	9,004	44	1,933	2,817	2,105	1,273	625	183	10	14
Arlington	940	4	161	302	257	133	66	17		
Fairfax	4,597	17	1,018	1,390	1,025	679	358	95	8	7
Loudoun	421	1	105	135	100	49	27	4		
Prince William	1,362	11	315	462	303	165	69	33	1	3
Alexandria	1,348	10	246	415	345	210	93	26	1	2
Fairfax City	175		39	66	39	18	7	5		1
Falls Church	48		16	11	6	10	2	2		1
Manassas	107	1	31	34	28	9	3	1		
Manassas Park	6		2	2	2					
District 9	438	4	130	139	77	50	25	11	1	1
Culpeper	107	4	35	32	20	11	3	2		
Fauquier	184		52	56	31	24	16	4		1
Hadison	23		3	8	4	2	2	3	1	
Orange	109		36	38	20	9	4	2		
Rappahannock	15		4	5	2	4				
District 10	999	4	272	344	189	106	60	18	1	4
Albemarle	331		90	115	68	38	31	7	1	1
Fluvanna	55		17	15	6	9	6	1		
Greene	36		10	11	7	5	2	1		
Louisa	82		27	18	23	6	4	4		
Nelson	55		14	16	9	8	5	2		1
Charlottesville	420	4	114	169	76	40	12	4		1
District 11	820	11	242	232	165	100	56	14		
Amherst	112		39	32	12	14	12	3		
Appomattox	44	1	16	15	5	5	2			
Bedford	102	2	31	22	27	11	6	3		
Campbell	164	1	48	45	40	20	6	4		
Bedford City	20		4	8	5	1	1			
Lynchburg	378	7	104	109	76	49	29	4		

(continued)

TABLE 32
RESIDENT INDUCED ABORTIONS BY AGE OF MOTHER BY PLANNING DISTRICT
AND CITY OR COUNTY OF RESIDENCE, VIRGINIA, 1988 (continued)

Planning District/ City or County	Total	Age of Mother								
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Unknown
STATE OF VIRGINIA	33,637	298	8,525	10,966	7,210	4,070	1,966	511	24	67
District 12	934	8	309	275	193	101	41	13	1	13
Franklin	115		44	34	13	13	8	2		1
Henry	301	1	103	90	56	33	11	4		3
Patrick	37		12	12	9	1	3			
Pittsylvania	314	6	96	88	74	30	13	5	1	1
Danville	129		39	34	29	16	3	2		6
Martinsville	58	1	15	17	12	8	3			2
District 13	324	7	94	98	68	34	17	5		1
Brunswick	78		21	24	18	9	6			
Halifax	119	4	37	34	24	12	6	2		
Mecklenburg	105	3	31	29	22	12	4	3		1
South Boston	22		5	11	4	1	1			
District 14	343	4	101	100	69	39	19	11		
Amelia	31		10	8	7	3	2	1		
Buckingham	40	2	6	16	8	5	2	1		
Charlotte	39		15	11	8	2	2	1		
Cumberland	22	1	5	5	7	3		1		
Lunenburg	50	1	14	15	7	9	3	1		
Nottoway	56		14	14	16	7	5			
Prince Edward	105		37	31	16	10	5	6		
District 15	5,490	59	1,414	1,769	1,167	693	304	64	4	11
Charles City Co.	42	1	9	13	7	8	3	1		
Chesterfield	1,207	7	357	349	236	150	84	21		3
Goochland	52		19	7	15	6	4	1		
Hanover	275	2	88	72	58	39	12	2		2
Henrico	1,576	14	410	490	329	214	91	21	3	4
New Kent	51		19	17	6	6	1	1	1	
Powhatan	53	1	10	21	13	5	1	2		
Richmond City	2,234	34	502	800	503	265	108	20		2
District 16	832	4	224	255	191	92	50	15		1
Caroline	111		27	35	24	14	8	3		
King George	41	2	9	15	9	6				
Spotsylvania	218	1	74	57	44	22	16	4		
Stafford	247	1	65	68	66	25	16	5		1
Fredericksburg	215		49	80	48	25	10	3		
District 17	157	3	35	41	39	23	13	3		
Lancaster	40		13	10	6	7	4			
Northumberland	30	1	7	8	9	4	1			
Richmond	27		5	17	7	4	3	2		
Westmoreland	60	2	10	17	17	8	5	1		
District 18	275	5	73	75	58	39	22	1		2
Essex	39	1	12	13	7	2	3			1
Gloucester	109	2	25	28	24	12	7			
King and Queen	28	1	9	4	6	2	5	1		
King William	55		20	16	11	5	3			
Mathews	21	1	2	6	5	5	2			
Middlesex	23		5	8	5	3	2			
District 19	942	19	248	308	203	102	49	13		
Dinwiddie	79	2	21	21	21	8	5	1		
Greensville	67	3	16	23	12	9	4			
Prince George	114	1	34	41	17	11	6	4		
Surry	20	1	8	4	4	2	1			
Sussex	59	1	13	19	13	8	5			
Colonial Heights	84	1	30	26	16	7	4			
Emporia	12	1	4	1	2	4				
Hopewell	144	3	43	39	40	12	7			
Petersburg	363	6	79	134	78	41	17	8		
District 20	6,574	54	1,590	2,324	1,446	761	315	78	2	4
Isle of Wight	104	1	31	33	20	14	2	3		
Southampton	28	1	6	12	4	3	1	1		
Chesapeake	776	11	224	243	148	104	35	11		
Franklin City	32		11	12	7	2				
Norfolk	2,138	13	461	822	493	218	104	22	1	4
Portsmouth	671	12	173	238	143	71	29	5		
Suffolk	211	5	60	66	43	23	12	2		
Virginia Beach	2,614	11	624	898	588	326	132	34	1	
District 21	2,730	31	668	558	624	298	129	19	3	
James City Co.	52		12	11	12	9	8			
York	99		30	32	16	11	10			
Hampton	1,058	11	247	398	242	107	42	10	1	
Newport News	1,261	16	313	422	306	143	52	8	1	
Poquoson	47		16	11	6	10	3	1		
Williamsburg	213	4	50	84	42	18	14		1	
District 22	93	2	34	20	18	9	7	3		
Accomack	57	1	19	16	10	5	3	3		
Northampton	36	1	15	4	8	4	4			
Unknown	11		4	2	2	1	2			

NOTE: Some Abortions That Occurred In Other States For Residents Of Virginia Are Included.

TABLE 33
RESIDENT NATURAL FETAL DEATHS, LENGTH OF GESTATION BY RACE BY CAUSE OF DEATH, VIRGINIA, 1988

Causes of Natural Fetal Deaths	Total			Length of Gestation						28 Weeks and Over		
	Total	White	Nonwh	Less than 20 Weeks			20-27 Weeks			Total	White	Nonwh
				Total	White	Nonwh	Total	White	Nonwh			
ALL CAUSES	7,896	5,682	2,214	7,081	5,212	1,869	4,16	210	206	399	260	139
Causes and Conditions in Mother	1,179	840	339	1,146	819	327	30	19	11	3	2	1
Hypertensive disorders (7600)	1		1	1			1		1			
Renal and urinary tract diseases (7601)	1		1	1			1					
Diseases or infections (7602)	1	1		1	1		1	1				
Maternal injury (7605)	3	1	2	1	1	1	1	1		1		1
Maternal condition unrelated to pregnancy (7608)	1		1	1		1						
Incompetent cervix (7610)	4	3	1	2	1	1	2	2				
Premature rupture of membranes (7611)	52	32	20	28	18	10	23	13	10	1	1	
Polyhydramnios (7613)	1											
Ectopic pregnancy (7614)	791	539	252	790	538	252	1	1				
Hydatidiform mole (7800)	21	15	6	20	14	6	1	1				
Blighted ovum (7801)	303	248	55	303	248	55						
Complications of Placenta, Cord and Membranes	238	154	84	106	70	36	38	25	13	94	59	35
Other placental separation and hemorrhage (7621)	116	63	53	73	42	31	17	10	7	26	11	15
Other abnormalities of placenta (7622)	31	27	4	17	17		3	3		11	7	4
Prolapsed cord (7624)	4	2	2	2			2	2		2		2
Other compression of umbilical cord (7625)	74	56	18	11	9	2	9	7	2	54	40	14
Other conditions of umbilical cord (7626)	1	1					1	1				
Gastroenteritis (7627)	12	5	7	5	2	3	6	2	4	1	1	
Conditions in Fetus	247	152	95	137	82	55	54	30	24	56	40	16
Immaturity (7640-7651)	7	34	36	34	17	17	33	15	18	3	2	1
Intrauterine hypoxia and birth asphyxia (7680-7689)	112	75	37	77	49	28	3	2	1	32	24	8
Other respiratory conditions (7700-7709)	1		1							1		1
Infections in perinatal period (7710-7718)	6	2	4	4	2	2	1		1	1		1
Fetal hemorrhage (7720-7729)	3		3	3								
Disorder of digestive system (7770-7779)	4	1					1	1				
Condition involving integument and temperature regulation (7780-7789)	1	1		1	1							
Congenital anomalies (7802)	53	39	14	18	13	5	16	12	4	19	14	5
Spontaneous Abortion (7618)	4,226	3,216	1,010	4,146	3,184	962	75	30	45	5	2	3
Not defined and unknown causes	2,006	1,320	686	1,546	1,057	489	219	106	113	241	157	84

TABLE 34 - NEONATAL DEATHS WITH RATES PER 1,000 LIVE BIRTHS BY RACE AND BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE, VIRGINIA, 1988

Planning District / City or County	NUMBER			RATE			Planning District / City or County	NUMBER			RATE		
	Total	White	Nonwhite	Total	White	Nonwhite		Total	White	Nonwhite	Total	White	Nonwhite
STATE OF VIRGINIA	633	342	291	8.8	5.0	11.8	DISTRICT 11	17	8	9	8.8	4.5	12.3
DISTRICT 1	10	10		8.9	9.0	0.0	AMHERST	1	1	1	2.7	0.0	11.4
LEE	1	1		3.5	3.5	0.0	APPOMATTOX	2	1	1	11.0	9.2	16.7
SCOTT	3	3		12.0	12.9	0.0	BEDFORD	3	2	1	5.8	4.3	18.2
WISE	5	5		9.2	9.3	0.0	CAMPBELL	2	1	1	3.2	2.0	7.9
BORTON	1	1		17.2	18.9	0.0	BEDFORD CITY	1	1		13.9	23.8	0.0
DISTRICT 2	3	3		2.1	2.2	0.0	LYNCHBURG	9	4	5	9.2	6.6	13.5
BUCHANAN				0.0	0.0	0.0	DISTRICT 12	20	2	11	6.6	4.5	10.7
DICKENSON				0.0	0.0	0.0	FRANKLIN	3	1	2	6.1	2.3	32.8
RUSSELL	1	1		3.2	3.3	0.0	HENRY	5	3	2	6.6	5.5	9.6
FAZZELL	2	2		3.7	3.9	0.0	PATRICK	1	1		5.7	0.0	45.5
DISTRICT 3	15	14	1	7.6	7.3	16.9	PITTSYLVANIA	4	3	1	6.5	8.2	4.0
BLAND				0.0	0.0		DANVILLE	5	5		6.5	0.0	12.9
CARROLL	4	4		14.4	14.7	0.0	MARTINSVILLE	2	2		9.3	16.7	0.0
GRAYSON				0.0	0.0	0.0	DISTRICT 13	9	4	5	9.5	8.9	10.1
SMYTH	3	3		8.0	8.2	0.0	BRUNSWICK	1	1		5.7	0.0	8.6
WASHINGTON	4	4		8.0	8.1	0.0	HALIFAX				0.0	0.0	0.0
WYTHE	1		1	3.5	0.0	100.0	NECKLEBURG	7	4	3	20.3	22.9	17.8
BRISTOL	2	2		10.0	10.0	0.0	SOUTH BOSTON	1	1		10.8	0.0	20.8
GALAX	1	1		10.8	11.6	0.0	DISTRICT 14	8	2	6	6.2	8.3	10.9
DISTRICT 4	8	6	2	4.8	3.8	17.7	AMELIA	1	1		7.6	0.0	23.8
FLOYD				0.0	0.0	0.0	BUCKINGHAM	1	1		5.3	0.0	10.0
GILES				0.0	0.0	0.0	CHARLOTTE	1	1		5.5	0.0	11.9
MONTGOMERY	5	3	2	6.0	3.9	32.3	CUMBERLAND	2	1	1	17.5	16.4	18.9
PULASKI	3	3		7.3	7.8	0.0	LUNENBURG				0.0	0.0	0.0
RADFORD				0.0	0.0	0.0	NOTTOWAY	1	1		4.9	8.2	0.0
DISTRICT 5	21	10	11	6.6	3.8	21.1	PRINCE EDWARD	2		2	9.4	0.0	15.5
ALLEGHANY				0.0	0.0	0.0	DISTRICT 15	86	33	53	7.7	4.6	13.2
BOTETOURT				0.0	0.0	0.0	CHARLES CITY COUNTY	1		1	11.1	0.0	16.7
CRAIG				0.0	0.0		CHESTERFIELD	17	9	8	5.7	3.5	18.8
ROANOKE	2	2		2.6	2.7	0.0	GOOCHLAND	2	1	1	10.6	7.1	20.8
CLIFTON FORGE				0.0	0.0	0.0	HANOVER	8	7	1	9.7	9.7	9.3
COVINGTON				0.0	0.0	0.0	HENRICO	18	10	8	5.7	4.3	9.8
ROANOKE CITY	15	5	10	9.9	4.7	22.2	NEW KENT	1	1		7.4	9.5	0.0
SALEM	4	3	1	14.5	11.1	200.0	POWhatan	2	2		11.4	12.5	0.0
DISTRICT 6	10	10		3.8	4.0	0.0	RICHMOND CITY	37	3	34	10.5	2.9	13.6
AUGUSTA				0.0	0.0	0.0	DISTRICT 16	12	2	3	4.5	4.1	5.8
BATH				0.0	0.0	0.0	CAROLINE	2	1	1	7.1	5.6	9.6
HIGHLAND				0.0	0.0		KING GEORGE				0.0	0.0	0.0
ROCKBRIDGE	3	3		14.1	14.7	0.0	S. SYLVANIA	4	2	2	4.4	2.4	20.6
ROCKINGHAM	3	3		3.9	3.9	0.0	STAFFORD	2	2		2.4	2.6	0.0
BUENA VISTA				0.0	0.0	0.0	FREDERICKSBURG	4	4		10.2	14.2	0.0
HARRISONBURG	2	2		6.4	7.0	0.0	DISTRICT 17	4	1	3	7.5	3.5	12.0
LEXINGTON				0.0	0.0	0.0	LANCASTER				0.0	0.0	0.0
STAUNTON				0.0	0.0	0.0	NORTHUMBERLAND	2	1	1	19.0	15.2	25.6
WAYNESBORO	2	2		7.8	8.6	0.0	RICHMOND	1	1		11.9	0.0	27.8
DISTRICT 7	10	2	1	4.7	4.4	9.6	WESTMORELAND	1	1		4.5	0.0	8.8
CLARKE	1		1	7.3	0.0	166.7	DISTRICT 18	4	1	3	4.0	1.3	11.6
FREDERICK	2	2		3.4	3.4	0.0	ESSEX				0.0	0.0	0.0
PAGE	2	2		7.1	7.4	0.0	GLOUCESTER	2	1	1	4.2	2.3	20.8
SHENANDOAH	4	4		10.9	10.9	0.0	KING & QUEEN				0.0	0.0	0.0
WARREN				0.0	0.0	0.0	KING WILLIAM	1		1	6.7	0.0	17.2
WINCHESTER	1	1		7.7	3.2	0.0	MATHEWS				0.0	0.0	0.0
DISTRICT 8	112	74	38	4.2	4.0	8.3	MIDDLESEX	1	1		9.3	0.0	34.5
ARLINGTON	9	3	6	3.6	1.6	10.1	DISTRICT 19	15	5	20	10.3	8.2	16.0
FAIRFAX	57	38	19	4.7	3.8	8.4	DINWIDDIE	4	2	2	15.1	12.3	19.6
LOUDOUN	8	8		5.4	5.9	0.0	GREENSVILLE	2		2	13.3	0.0	22.7
PRINCE WILLIAM	17	15	2	4.3	4.5	3.5	PRINCE GEORGE	3	2	1	8.4	8.2	9.6
ALEXANDRIA	13	4	9	7.6	3.6	15.0	SURRY	1		1	11.9	0.0	20.0
FAIRFAX CITY	3	3		8.2	9.8	0.0	SUSSEX	1		1	6.0	0.0	9.0
FALLS CHURCH				0.0	0.0	0.0	COLONIAL HEIGHTS				0.0	0.0	0.0
MANASSAS	5	3	2	10.2	7.1	30.3	EMPORIA	1	1		10.6	0.0	15.6
MANASSAS PARK				0.0	0.0	0.0	HOPEWELL	2		2	5.4	0.0	17.1
DISTRICT 9	6	4	2	3.6	2.9	7.9	PETERSBURG	11	1	10	14.8	6.1	17.3
EULFELDER	2		2	4.9	0.0	21.7	DISTRICT 20	187	99	88	9.9	8.1	13.3
FAUQUIER	3	3		4.2	4.7	0.0	ISLE OF WIGHT	3		3	8.1	0.0	25.2
HADISON				0.0	0.0	0.0	SOUTHAMPTON	1	1		4.9	9.9	0.0
ORANGE	1	1		3.6	4.4	0.0	CHESAPEAKE	21	11	10	8.0	6.2	11.0
RAPPAHANNOCK				0.0	0.0	0.0	FRANKLIN CITY	1		1	5.9	0.0	9.0
DISTRICT 10	13	2	4	5.7	5.1	8.1	NORFOLK	61	29	32	11.0	10.0	12.2
ALBEMARLE	3	3		3.3	3.7	0.0	NORTHSMOUTH	20	9	11	10.0	9.4	10.6
FLUVANNA	3	3		15.5	22.2	0.0	SUFFOLK	12	4	8	14.5	10.5	18.0
DREHE	1	1		5.8	6.7	0.0	VIRGINIA BEACH	68	45	23	9.6	7.8	17.3
LOUISA	3	2	1	11.2	10.6	12.7	DISTRICT 21	47	20	27	6.9	4.8	10.3
NELSON				0.0	0.0	0.0	JAMES CITY COUNTY	2	1	1	5.1	3.2	13.0
CHARLOTTESVILLE			3	5.3	0.0	16.0	YORK	1	1		2.8	3.6	0.0
							HAMPTON	20	9	11	8.5	6.5	11.5
							NEWPORT NEWS	22	8	14	6.5	4.1	9.9
							POQUOSON	1	1		8.4	8.7	0.0
							WILLIAMSBURG	1	1		4.4	0.0	11.8
							DISTRICT 22	5	1	4	7.9	3.4	11.9
							ACCOMACK	3	1	2	6.9	4.9	8.8
							NORTHAMPTON	2		2	10.0	0.0	18.3

TABLE 35 - INFANT DEATHS BY PLACE OF OCCURRENCE AND PLACE OF RESIDENCE WITH RESIDENT RATE
PER 1,000 LIVE BIRTHS BY RACE BY PLANNING DISTRICT AND CITY OR COUNTY, VIRGINIA, 1988

PLANNING DISTRICT AND CITY / COUNTY	DEATHS UNDER ONE YEAR								
	PLACE OF OCCURRENCE			PLACE OF RESIDENCE					
	Total	White	Nonwhite	Total	Number White	Nonwhite	Total	Rate White	Nonwhite
STATE OF VIRGINIA	955	504	411	965	549	416	10.4	8.0	16.9
DISTRICT 1	5	5		11	11		9.8	9.9	0.0
LEE				1	1		3.5	3.5	0.0
SCOTT				3	3		12.0	12.9	0.0
WISE	4	4		5	5		9.2	9.3	0.0
BORTON	1	1		2	2		34.5	37.7	0.0
DISTRICT 2	5	5		11	10	1	7.7	7.2	27.0
BUCHANAN	1	1		2	2		5.4	5.4	0.0
DICKENSON				2	2		9.7	9.0	0.0
RUSSELL				3	3		9.7	9.8	0.0
TAZEWELL	4	4		4	3	1	7.4	5.9	34.5
DISTRICT 3	12	11	1	25	24	1	12.7	12.8	16.9
BLAND				1	1		16.9	16.9	
CARROLL				4	4		14.4	14.7	0.0
GRAYSON							0.0	0.0	0.0
SMYTH	2	2		5	5		13.3	13.6	0.0
WASHINGTON	4	4		7	7		14.0	14.2	0.0
WYTHE	1		1	3	2	1	10.6	7.3	100.0
BRISTOL	2	2		3	3		15.0	16.4	0.0
GALAX	3	3		2	2		21.5	23.3	0.0
DISTRICT 4	2	2	1	12	10	2	7.1	8.4	17.7
FLOYD	1	1		1	1		7.4	7.9	0.0
GILES							0.0	0.0	0.0
MONTGOMERY	2	1	1	6	4	2	7.2	5.2	32.3
PULASKI				4	4		9.7	10.4	0.0
RADFORD				1	1		7.9	8.9	0.0
DISTRICT 5	55	35	20	31	18	13	9.8	8.8	24.2
ALLEGHANY	1	1		2	2		12.4	12.7	0.0
BOTETOURT				1	1		3.9	3.9	0.0
CRAIG							0.0	0.0	
ROANOKE				3	3		3.9	4.1	0.0
CLIFTON FORGE							0.0	0.0	0.0
COVINGTON				1	1		13.2	17.2	0.0
ROANOKE CITY	53	33	20	19	7	12	12.5	6.6	26.7
SALEM	1	1		5	4	1	18.2	14.8	200.0
DISTRICT 6	8	8		15	14	1	5.7	5.6	7.2
AUGUSTA	1	1					0.0	0.0	0.0
BATH							0.0	0.0	0.0
HIGHLAND							0.0	0.0	
ROCKBRIDGE				3	3		14.1	14.7	0.0
ROCKINGHAM				5	5		6.5	6.5	0.0
BUENA VISTA				1	1		13.2	13.7	0.0
HARRISONBURG	5	5		3	2	1	9.6	7.0	41.7
LEXINGTON	1	1					0.0	0.0	0.0
STAUNTON							0.0	0.0	0.0
WAYNESBORO	1	1		3	3		11.7	12.9	0.0
DISTRICT 7	5	4	1	13	11	2	6.1	5.4	19.2
CLARKE				2	1	1	14.6	7.6	166.7
FREDERICK				3	3		5.1	5.2	0.0
PAGE				2	2		7.1	7.4	0.0
SHEMANDOAM	1	1		4	4		10.9	10.9	0.0
WARREN							0.0	0.0	0.0
WINCHESTER	4	3	1	2	1	1	5.5	3.2	18.5
DISTRICT 8	131	85	46	172	119	53	7.5	6.4	12.4
ARLINGTON	10	6	4	14	7	7	5.6	3.7	11.8
FAIRFAX	76	53	23	83	60	23	6.8	6.1	10.2
LOUDOUN	4	4		14	13	1	9.4	9.6	7.8
PRINCE WILLIAM	8	8		30	24	6	7.7	7.2	10.6
ALEXANDRIA	25	7	18	19	6	13	11.1	5.4	21.7
FAIRFAX CITY	1		1	4	4		11.0	13.1	0.0
FALLS CHURCH							0.0	0.0	0.0
MANASSAS	7	7		8	5	3	16.3	11.8	45.5
MANASSAS PARK							0.0	0.0	0.0
DISTRICT 9	2	2		9	6	3	5.4	4.3	11.2
CULPEPER	1	1		3	1	2	7.4	3.2	21.7
FAUQUIER	1	1		4	3	1	5.6	4.7	13.0
MADISON				1	1		6.6	8.3	0.0
ORANGE				1	1		3.6	4.4	0.0
RAPPAHANNOCK							0.0	0.0	0.0
DISTRICT 10	80	45	15	21	16	5	9.3	9.1	10.1
ALBEMARLE	55	41	14	6	6		6.6	7.5	0.0
FLUVANNA				3	3		15.5	22.2	0.0
GREENE				1	1		5.8	6.7	0.0
LOUISA				3	2	1	11.2	10.6	12.7
NELSON				1		1	6.5	0.0	28.4
CHARLOTTESVILLE	5	4	1	7	4	3	12.5	10.7	16.0
DISTRICT 11	18	8	10	23	13	10	8.4	6.5	13.7
AMHERST				2	1	1	5.4	3.6	11.4
APPOMATTOX				2	1	1	11.8	9.2	16.7
BEDFORD				6	5	1	11.6	10.8	16.2
CAMPBELL				2	1	1	3.2	2.0	7.9
BEDFORD CITY	1	1		1	1		13.9	23.8	0.0
LYNCHBURG	17	7	10	10	4	6	10.2	6.6	16.2

(continued)

TABLE 35 INFANT DEATHS BY PLACE OF OCCURRENCE AND PLACE OF RESIDENCE WITH RESIDENT RATE
PER 1,000 LIVE BIRTHS BY RACE BY PLANNING DISTRICT AND CITY OR COUNTY, VIRGINIA, 1988 (continued)

PLANNING DISTRICT AND CITY / COUNTY	DEATHS UNDER ONE YEAR								
	PLACE OF OCCURRENCE			PLACE OF RESIDENCE					
	Total	White	Nonwhite	Total	White	Nonwhite	Total	White	Nonwhite
STATE OF VIRGINIA	915	504	411	965	549	416	10.4	8.0	16.9
<u>DISTRICT 12</u>	<u>17</u>	<u>8</u>	<u>9</u>	<u>49</u>	<u>21</u>	<u>28</u>	<u>14.2</u>	<u>10.8</u>	<u>21.5</u>
FRANKLIN	2	2		6	4	2	12.2	9.3	32.0
HENRY	2	1	1	11	6	5	14.5	10.9	23.9
PATRICK	3	1	2	3	1	2	17.2	6.6	90.9
PITTSYLVANIA	1		1	6	4	2	9.7	10.9	8.0
DANVILLE	7	3	4	13	3	10	16.9	7.9	25.7
MARTINSVILLE	2	1	1	4	3	1	18.7	25.0	10.6
<u>DISTRICT 13</u>	<u>5</u>	<u>2</u>	<u>3</u>	<u>13</u>	<u>5</u>	<u>8</u>	<u>13.8</u>	<u>11.1</u>	<u>19.2</u>
BRUNSWICK				1		1	5.7	0.0	8.6
HALIFAX	1		1	2		2	6.0	0.0	12.4
MECKLENBURG				9	5	4	28.2	28.6	23.7
SOUTH BOSTON	3		3	1		1	10.8	0.0	20.8
<u>DISTRICT 14</u>	<u>7</u>	<u>2</u>	<u>5</u>	<u>13</u>	<u>5</u>	<u>8</u>	<u>11.2</u>	<u>8.1</u>	<u>14.6</u>
AMELIA				1		1	7.6	0.0	23.8
BUCKINGHAM				2		2	10.6	0.0	20.0
CHARLOTTE	2	2		3	2	1	16.6	20.6	11.9
CUMBERLAND				2	1	1	17.5	16.4	18.9
LUNenburg							0.0	0.0	0.0
NOTTOWAY	2	1	1	3	2	1	14.7	16.4	12.2
PRINCE EDWARD	3		3	2		2	9.4	0.3	15.5
<u>DISTRICT 15</u>	<u>184</u>	<u>78</u>	<u>106</u>	<u>126</u>	<u>58</u>	<u>68</u>	<u>11.3</u>	<u>8.8</u>	<u>19.5</u>
CHARLES CITY COUNTY				2		2	22.2	0.0	33.3
CHESTERFIELD	3	3		25	17	8	8.4	6.6	18.8
BOOCHLAND				2	1	1	10.6	7.1	20.8
HANOVER	1		1	12	9	3	14.5	12.5	27.8
HENRICO	27	19	8	24	13	11	7.6	5.5	13.5
NEW KENT	1		1	3	2	1	22.2	19.0	33.3
POWHEATAN				2	2		11.4	12.5	0.0
RICHMOND CITY	152	56	96	56	4	52	15.8	3.8	20.8
<u>DISTRICT 16</u>	<u>2</u>	<u>2</u>	<u>1</u>	<u>22</u>	<u>15</u>	<u>7</u>	<u>8.2</u>	<u>6.8</u>	<u>15.8</u>
CAROLINE				3	1	2	10.6	5.8	19.2
KING GEORGE				1	1		4.5	6.0	0.0
SPOTSYLVANIA	1	1		8	4	4	8.7	4.9	41.2
STAFFORD	1	1		5	4	1	6.0	5.3	13.0
FREDERICKSBURG	6	3	3	5	5		12.7	17.7	0.0
<u>DISTRICT 17</u>	<u>2</u>	<u>2</u>	<u>1</u>	<u>6</u>	<u>2</u>	<u>4</u>	<u>11.2</u>	<u>7.0</u>	<u>16.1</u>
LANCASTER	1		1	1		1	8.1	0.0	16.7
NORTHUMBERLAND	1	1		3	2	1	28.6	30.3	25.6
RICHMOND				1		1	11.9	0.0	27.8
WESTMORELAND				1		1	4.5	0.0	6.8
<u>DISTRICT 18</u>	<u>2</u>	<u>2</u>	<u>2</u>	<u>13</u>	<u>5</u>	<u>8</u>	<u>13.0</u>	<u>9.4</u>	<u>23.2</u>
ESSEX							0.0	0.0	0.0
GLOUCESTER	5	3	2	7	5	2	14.7	11.7	41.7
KING & QUEEN				1		1	10.0	0.0	19.2
KING WILLIAM				1		1	6.7	0.0	17.2
MATHES				1	1		15.6	21.3	0.0
MIDDLESEX	1	1		3	1	2	27.8	12.7	69.0
<u>DISTRICT 19</u>	<u>18</u>	<u>5</u>	<u>13</u>	<u>14</u>	<u>8</u>	<u>6</u>	<u>13.9</u>	<u>9.4</u>	<u>20.0</u>
DINWIDDIE				5	2	3	18.9	12.3	29.4
GREENSVILLE				2		2	13.3	0.0	22.7
PRINCE GEORGE	1		1	4	2	2	11.1	8.2	17.2
SURRY				1		1	11.4	0.0	20.0
SUSSEX	1	1		2	1	1	12.0	17.9	9.0
COLONIAL HEIGHTS	1	1		1	1		4.8	5.5	0.0
EMPORIA	1		1	1		1	10.6	0.0	15.6
HOPEWELL	5	2	3	4	1	3	10.8	4.0	25.6
PETERSBURG	9	1	8	14	2	12	18.9	12.2	20.8
<u>DISTRICT 20</u>	<u>124</u>	<u>174</u>	<u>150</u>	<u>271</u>	<u>149</u>	<u>122</u>	<u>14.4</u>	<u>22.2</u>	<u>18.4</u>
ISLE OF WIGHT	1		1	4		4	10.8	0.0	33.6
SOUTHAMPTON				1	1		4.9	9.9	0.0
CHESAPEAKE	15	9	6	36	19	17	13.7	10.7	20.0
FRANKLIN CITY				2		2	11.8	0.0	18.0
NORFOLK	128	116	112	86	42	44	15.5	14.4	16.8
PORTSMOUTH	43	26	17	31	13	18	15.5	13.6	17.4
SUFFOLK	9	3	6	16	6	10	19.4	15.7	22.5
VIRGINIA BEACH	28	20	8	95	68	27	13.4	11.8	20.4
<u>DISTRICT 21</u>	<u>37</u>	<u>15</u>	<u>22</u>	<u>75</u>	<u>34</u>	<u>41</u>	<u>11.0</u>	<u>8.1</u>	<u>15.7</u>
JAMES CITY COUNTY	1	1		3	2	1	7.7	6.4	13.0
YORK				1	1		2.8	3.6	0.0
HAMPTON	16	4	12	34	12	22	14.5	8.6	23.0
NEWPORT NEWS	18	9	9	33	17	16	9.8	8.7	11.3
POQUOSON				2	2		16.8	17.4	0.0
WILLIAMSBURG	2	1	1	2		2	8.0	0.0	23.5
<u>DISTRICT 22</u>	<u>4</u>	<u>1</u>	<u>3</u>	<u>6</u>	<u>2</u>	<u>4</u>	<u>9.5</u>	<u>6.7</u>	<u>11.2</u>
ACCOMACK	2	1	1	4	2	2	9.2	9.7	8.8
NORTHAMPTON	2		2	2		2	10.0	0.0	18.3

TABLE 36 - PERINATAL MORTALITY RATE WITH INFANT DEATHS UNDER ONE WEEK AND FETAL DEATHS 28 WEEKS AND OVER GESTATION, BY RACE BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE, VIRGINIA, 1988

PLANNING DISTRICT AND CITY / COUNTY	INFANT DEATHS UNDER ONE WEEK			FETAL DEATHS 28 WEEKS AND OVER			PERINATAL RATE		
	Total	White	Nonwhite	Total	White	Nonwhite	Total	White	Nonwhite
STATE OF VIRGINIA	520	278	242	399	260	139	9.9	7.9	15.4
<u>DISTRICT 1</u>	<u>8</u>	<u>0</u>		<u>4</u>	<u>4</u>		<u>10.6</u>	<u>10.8</u>	<u>0.0</u>
LEE	1	1					3.5	3.5	0.0
SCOTT	2	2		2	2		16.9	17.0	0.0
WISE	4	4		2	2		11.0	11.1	0.0
BORTON	1	1					17.2	18.9	0.0
<u>DISTRICT 2</u>	<u>2</u>	<u>2</u>		<u>14</u>	<u>14</u>		<u>11.1</u>	<u>11.4</u>	<u>0.0</u>
BUCHANAN				1	1		2.7	2.7	0.0
DICKENSON				3	3		14.3	14.4	0.0
RUSSELL				4	4		12.7	12.9	0.0
TAKEWELL	2	2		6	6		14.7	15.5	0.0
<u>DISTRICT 3</u>	<u>12</u>	<u>11</u>	<u>1</u>	<u>7</u>	<u>7</u>		<u>9.6</u>	<u>9.4</u>	<u>16.9</u>
BLAND							0.0	0.0	
CARROLL	3	3					10.8	11.0	0.0
GRAYSON							0.0	0.0	
SMYTH	2	2		3	3		12.2	13.5	0.0
WASHINGTON	4	4		2	2		12.0	12.1	0.0
WYTHE	1		1	1	1		7.0	3.6	100.0
BRISTOL	2	2					10.0	10.9	0.0
GALAX				1	1		10.6	11.5	0.0
<u>DISTRICT 4</u>	<u>6</u>	<u>5</u>	<u>1</u>	<u>11</u>	<u>10</u>	<u>1</u>	<u>10.6</u>	<u>9.5</u>	<u>26.1</u>
FLOYD				1	1		7.6	7.9	0.0
GILES							0.0	0.0	
MORTGONERY	3	2	1	9	7	2	14.2	11.5	46.9
PULASKI	3	3		2	2		12.0	13.0	0.0
RADFORD							0.0	0.0	
<u>DISTRICT 5</u>	<u>18</u>	<u>8</u>	<u>10</u>	<u>12</u>	<u>10</u>	<u>2</u>	<u>9.5</u>	<u>6.8</u>	<u>22.9</u>
ALLEGHANY							0.0	0.0	0.0
BOTETOURT							0.0	0.0	0.0
CRAIG							0.0	0.0	
ROANOKE	2	2		3	3		6.4	6.7	0.0
CLIFTON FORGE							0.0	0.0	0.0
COVINGTON							0.0	0.0	0.0
ROANOKE CITY	13	4	9	7	5	2	13.1	8.4	24.3
SALEM	3	2	1	2	2		18.1	14.7	200.0
<u>DISTRICT 6</u>	<u>8</u>	<u>8</u>		<u>12</u>	<u>12</u>		<u>7.5</u>	<u>7.9</u>	<u>0.0</u>
AUGUSTA				4	4		6.9	7.1	0.0
BATH				1	1		17.2	17.9	0.0
HIGHLAND							0.0	0.0	
ROCKBRIDGE	3	3		2	2		23.3	24.3	0.0
ROCKINGHAM	2	2		1	1		3.9	3.9	0.0
BUENA VISTA							0.0	0.0	0.0
HARRISONBURG	1	1					3.2	3.5	0.0
LEXINGTON							0.0	0.0	0.0
STAUNTON				3	3		10.2	12.0	0.0
WAYNESBORO	2	2		1	1		11.7	12.8	0.0
<u>DISTRICT 7</u>	<u>8</u>	<u>7</u>	<u>1</u>	<u>20</u>	<u>15</u>	<u>5</u>	<u>13.0</u>	<u>10.8</u>	<u>55.0</u>
CLARKE	1		1	4	3	1	35.5	22.4	285.7
FREDERICK	1	1		5	3	2	10.1	6.9	222.2
PAGE	2	2		2	2		14.1	14.7	0.0
SHENANDOAH	3	3		4	3	1	18.8	16.3	333.3
WARREN				4	3	1	10.1	8.1	40.0
WINCHESTER	1	1		1	1		5.5	6.4	0.0
<u>DISTRICT 8</u>	<u>92</u>	<u>61</u>	<u>31</u>	<u>90</u>	<u>61</u>	<u>19</u>	<u>7.5</u>	<u>6.5</u>	<u>11.6</u>
ARLINGTON	8	2	6	2	8	1	6.8	5.2	11.8
FAIRFAX	44	31	13	35	30	5	6.5	6.1	8.0
LOUDOUN	7	7		6	4	2	8.7	9.1	15.3
PRINCE WILLIAM	15	13	2	17	12	5	8.1	7.4	12.3
ALEXANDRIA	10	2	8	8	3	5	10.5	4.5	21.5
FAIRFAX CITY	3	3					8.2	9.8	0.0
FALLS CHURCH							0.0	0.0	0.0
MANASSAS	5	3	2	5	4	1	20.2	16.3	44.8
MANASSAS PARK							0.0	0.0	0.0
<u>DISTRICT 9</u>	<u>4</u>	<u>3</u>	<u>1</u>	<u>8</u>	<u>5</u>	<u>3</u>	<u>7.2</u>	<u>5.7</u>	<u>15.6</u>
CULPEPER	1		1	4	2	2	12.1	6.3	31.9
FAUQUIER	2	2		2	2		5.6	6.3	0.0
MADISON							0.0	0.0	0.0
ORANGE	1	1		2	1	1	10.8	8.8	19.6
RAPPAHANNOCK							0.0	0.0	0.0
<u>DISTRICT 10</u>	<u>9</u>	<u>5</u>	<u>4</u>	<u>11</u>	<u>8</u>	<u>3</u>	<u>8.8</u>	<u>7.3</u>	<u>14.1</u>
ALBEMARLE	1	1		5	5		6.5	7.4	0.0
FLUVANNA	3	3					15.5	22.2	0.0
GREENE	1	1					5.8	6.7	0.0
LOUISA	1		1	1		1	7.4	0.0	25.0
NELSON				2		2	12.9	0.0	55.6
CHARLOTTESVILLE	3		3	3	3		10.6	8.0	16.0
<u>DISTRICT 11</u>	<u>15</u>	<u>6</u>	<u>9</u>	<u>9</u>	<u>3</u>	<u>6</u>	<u>8.7</u>	<u>4.5</u>	<u>20.4</u>
AMHERST	1		1	1	1		5.4	3.5	11.4
APPOMATTOX	2	1	1				11.8	9.2	16.7
BEDFORD	2	1	1	1	1		5.8	4.3	18.2
CAMPBELL	2	1	1	2	1	1	6.3	3.9	15.7
BEDFORD CITY	1	1					13.9	23.8	0.0
LYNCHBURG	7	2	5	5		5	12.2	3.3	26.7

(continued)

TABLE 36 - PERINATAL MORTALITY RATE WITH INFANT DEATHS UNDER ONE WEEK AND FETAL DEATHS 28 WEEKS AND OVER GESTATION, BY RACE BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE, VIRGINIA, 1988 (continued)

PLANNING DISTRICT AND CITY / COUNTY	INFANT DEATHS UNDER ONE WEEK			FETAL DEATHS 28 WEEKS AND OVER			PERINATAL RATE		
	Total	White	Nonwhite	Total	White	Nonwhite	Total	White	Nonwhite
STATE OF VIRGINIA	520	278	242	399	260	139	9.9	7.9	15.4
<u>DISTRICT 12</u>	<u>17</u>	<u>8</u>	<u>9</u>	<u>15</u>	<u>7</u>	<u>8</u>	<u>10.5</u>	<u>7.5</u>	<u>16.5</u>
FRANKLIN	2	1	1				4.1	2.3	16.4
HENRY	5	3	2	3	2	1	10.5	9.1	14.3
PATRICK	1		1	1	1		11.4	6.5	45.5
PITTSYLVANIA	4	3	1	6	3	3	16.1	16.2	15.8
DANVILLE	4		4	3		3	9.1	0.0	17.9
MARTINSVILLE	1	1		2	1	1	13.9	16.5	10.5
<u>DISTRICT 13</u>	<u>7</u>	<u>3</u>	<u>4</u>	<u>8</u>	<u>4</u>	<u>4</u>	<u>15.7</u>	<u>15.4</u>	<u>16.1</u>
BRUNSWICK	1		1	2	1	1	16.9	16.4	17.1
HALIFAX				1	1		3.0	5.8	0.0
MECKLENBURG	5	3	2	4	2	2	25.9	28.2	23.4
SOUTH BOSTON	1		1	1		1	21.3	0.0	40.8
<u>DISTRICT 14</u>	<u>5</u>	<u>1</u>	<u>4</u>	<u>6</u>	<u>2</u>	<u>4</u>	<u>10.3</u>	<u>4.9</u>	<u>16.3</u>
AMELIA	1		1	1		1	15.2	0.0	46.5
BUCKINGHAM	1		1	1		1	10.5	0.0	19.8
CHARLOTTE	1		1				5.5	0.0	11.9
CUMBERLAND				1		1	8.7	0.0	18.5
LUNENBURG				3	2	1	22.1	26.3	16.7
MOTTOMAY	1	1					4.9	8.2	0.0
PRINCE EDWARD	2		2				9.4	0.0	15.5
<u>DISTRICT 15</u>	<u>74</u>	<u>30</u>	<u>44</u>	<u>47</u>	<u>21</u>	<u>26</u>	<u>10.8</u>	<u>7.2</u>	<u>17.4</u>
CHARLES CITY COUNTY	1		1	1		1	22.0	0.0	32.8
CHESTERFIELD	17	9	8	11	8	3	9.3	6.6	25.6
DOOCHLAND	2	1	1	1	1		15.9	14.2	20.8
HANOVER	7	7		5	3	2	14.4	13.9	18.2
HENRICO	15	9	6	9	6	3	7.6	6.4	11.0
NEW KENT	1	1					7.4	9.5	0.0
POWHATAN	1	1		1	1		11.3	12.4	0.0
RICHMOND CITY	30	2	28	19	2	17	13.8	3.8	17.9
<u>DISTRICT 16</u>	<u>10</u>	<u>7</u>	<u>3</u>	<u>12</u>	<u>11</u>	<u>1</u>	<u>8.3</u>	<u>8.1</u>	<u>9.0</u>
CAROLINE	2	1	1	3	2	1	17.5	16.7	19.0
KING GEORGE				2	2		9.0	11.8	0.0
SPOTSYLVANIA	3	1	2	2	2		5.4	3.6	20.6
STAFFORD	2	2		2	2		4.8	5.3	0.0
FREDERICKSBURG	3	3		3	3		15.2	21.1	0.0
<u>DISTRICT 17</u>	<u>2</u>	<u>1</u>	<u>1</u>	<u>1</u>		<u>1</u>	<u>5.6</u>	<u>3.5</u>	<u>8.0</u>
LANCASTER							0.0	0.0	0.0
NORTHUMBERLAND	2	1	1				19.0	15.2	25.6
RICHMOND							0.0	0.0	0.0
WESTMORELAND				1		1	4.5	0.0	8.7
<u>DISTRICT 18</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>3</u>	<u>3</u>		<u>4.0</u>	<u>4.0</u>	<u>3.2</u>
ESSEX							0.0	0.0	0.0
GLOUCESTER	1		1	1	1		4.2	2.3	20.8
KING & QUEEN				2	2		19.6	40.0	0.0
KING WILLIAM							0.0	0.0	0.0
MATHEWS							0.0	0.0	0.0
MIDDLESEX							0.0	0.0	0.0
<u>DISTRICT 19</u>	<u>23</u>	<u>5</u>	<u>18</u>	<u>20</u>	<u>10</u>	<u>10</u>	<u>17.5</u>	<u>12.5</u>	<u>22.2</u>
DINWIDDIE	3	2	1	3	1	2	22.4	18.3	28.8
GREENSVILLE	2		2				13.3	0.0	22.7
PRINCE GEORGE	3	2	1	1		1	11.1	8.2	17.1
SURRY	1		1				11.9	0.0	20.0
SUSSEX	1		1	2		2	17.8	0.0	26.5
COLONIAL HEIGHTS				3	3		14.2	16.3	0.0
EMPORIA	1		1	1		1	21.1	0.0	30.8
HOPWELL	2		2	4	4		16.0	15.6	17.1
PETERSBURG	10	1	9	6	2	4	21.4	18.1	22.4
<u>DISTRICT 20</u>	<u>156</u>	<u>82</u>	<u>74</u>	<u>68</u>	<u>36</u>	<u>32</u>	<u>11.8</u>	<u>9.6</u>	<u>15.9</u>
ISLE OF WIGHT	2		2	1		1	8.1	0.0	25.0
SOUTHAMPTON	1	1					4.9	9.9	0.0
CHESAPEAKE	19	11	8	10	3	7	11.0	7.9	17.5
FRANKLIN CITY	1		1	1	1		11.8	16.9	9.0
NORFOLK	49	22	27	22	14	8	12.8	12.3	13.3
PORTSMOUTH	14	6	8	10	2	8	12.0	8.3	15.3
SUFFOLK	11	3	8	3	1	2	16.9	10.5	22.4
VIRGINIA BEACH	59	39	20	21	15	6	11.2	9.3	19.5
<u>DISTRICT 21</u>	<u>38</u>	<u>16</u>	<u>22</u>	<u>28</u>	<u>17</u>	<u>11</u>	<u>9.6</u>	<u>7.8</u>	<u>12.6</u>
JAMES CITY COUNTY	2	1	1	2	2		10.2	9.5	13.0
YORK	1	1		2	2		8.5	10.9	0.0
HAMPTON	17	7	10	8	4	4	10.6	7.9	14.6
NEWPORT NEWS	16	6	10	14	7	7	8.8	6.6	11.9
POQUOSON	1	1					8.4	8.7	0.0
WILLIAMSBURG	1		1	2	2		13.0	13.8	11.8
<u>DISTRICT 22</u>	<u>4</u>	<u>1</u>	<u>3</u>	<u>2</u>		<u>2</u>	<u>9.4</u>	<u>3.4</u>	<u>14.8</u>
ACCONACK	2	1	1	2		2	9.2	4.9	13.1
NORTHAMPTON	2		2				10.0	0.0	18.3

Infant Deaths Under One Week & Fetal Deaths 28 Weeks and Over
 Perinatal Rate = ... x 1,000
 Live Births & Fetal Deaths 28 Weeks and Over

TABLE 37

RESIDENT INFANT DEATHS BY RACE AND SEX BY CAUSE OF DEATH WITH RATES PER 100,000 LIVE BIRTHS
VIRGINIA, 1988

CAUSE OF DEATH (Numbers refer to International Classification of Diseases, 9th Revision)	Total				Infant Deaths				Rates			
	Total	White Male	White Female	Nonwh Female	White Female	Nonwh Male	Nonwh Female	Total	White Male	White Female	Nonwh Male	Nonwh Female
STATE OF VIRGINIA	965	302	247	176		240	176	1,039.7	865.9	740.7	1,927.7	1,449.3
Certain intestinal infections (008-009)	2					2		2.2	0.0	0.0	16.1	0.0
Whooping cough (033)	4		3	1		1		4.3	0.0	9.0	8.0	0.0
Meningococcal infections (036)	13	2	1	6		4		14.0	5.7	3.0	32.1	49.4
Septicemia (038)	2			2				2.2	0.0	0.0	0.0	16.5
Viral diseases (045-079)												
Congenital syphilis (090)	1			1				1.1	0.0	0.0	0.0	8.2
Other infectious and parasitic diseases (Residual of 001-139)												
Malignant neoplasms (140-208)												
Benign neoplasms and neoplasms of unspecified nature (210-239)												
Diseases of thymus gland (254)												
Cystic fibrosis (277.0)												
Diseases of blood and blood-forming organs (280-289)	2							2.2	5.7	0.0	0.0	0.0
Meningitis (320-322)	7	1	2	1		3	1	7.5	2.9	6.0	24.1	8.2
Other diseases of nervous system and sense organs (323-389)	20	8	4	2		6	2	21.5	22.9	12.0	48.2	16.5
Acute upper respiratory infections (460-465)												
Bronchitis and bronchiolitis (466,490-491)												
Pneumonia and Influenza (480-487)	9	4	1	3		1	3	9.7	11.5	3.0	8.0	24.7
Pneumonia (480-486)	9	4	1	3		1	3	9.7	11.5	3.0	8.0	24.7
Influenza (487)												
Other diseases of respiratory system (470-478,492-519)												
Hernia and intestinal obstruction (550-553,560)	13	3	6	1		1	3	14.0	8.6	18.0	8.0	24.7
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558)	6	2	2	1		1	1	6.5	5.7	6.0	8.0	8.2
Other diseases of digestive system (520-534,536-543,562-579)	4	1	1	2		2		4.3	2.9	3.0	16.1	0.0
	8		3	4		4	1	8.6	0.0	9.0	32.1	8.2
Congenital Anomalies (740-759)	186	68	71	21		26	21	200.4	195.0	212.9	208.8	172.9
Anencephalus (740)	9	2	5	2		5	2	9.7	5.7	15.0	0.0	16.5
Spina bifida (741)	2		1	1			1	2.2	0.0	3.0	0.0	8.2
Congenital hydrocephalus (742.3)	5	2	2	1		1	1	5.4	5.7	6.0	8.0	0.0
Other anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743)	9	5	1	1		2	1	9.7	14.3	3.0	16.1	8.2
Anomalies of heart (745-746)												
Other anomalies of circulatory system (747)	58	20	26	7		7	5	62.5	57.3	78.0	56.2	41.2
Anomalies of respiratory system (748)	18	6	4	3		3	5	19.4	17.2	12.0	24.1	41.2
Anomalies of digestive system (749-751)	31	11	11	8		8	1	33.4	31.5	33.0	64.3	8.2
Anomalies of genitourinary system (752-753)	3	3	1	1		1	1	3.2	8.6	0.0	0.0	0.0
	3		1	1		1	1	3.2	0.0	3.0	8.0	8.2
Anomalies of musculoskeletal system (754-756)	12	5	4	1		1	2	12.9	14.3	12.0	8.0	16.5
Down's syndrome (758.0)	1							1.1	2.9	0.0	0.0	0.0
Other chromosomal anomalies (758.1-758.9)	12	2	7	2		2	1	12.9	5.7	21.0	16.1	8.2
Other and unspecified anomalies (744,757,759)	23	11	9	1		1	2	24.8	31.5	27.0	8.0	16.5

(continued)

TABLE 37
RESIDENT INFANT DEATHS BY RACE AND SEX BY CAUSE OF DEATH WITH RATES PER 100,000 LIVE BIRTHS
VIRGINIA, 1988 (continued)

(Numbers refer to International Classification of Diseases, 9th Revision)	CAUSE OF DEATH									
	STATE OF VIRGINIA									
	Total	White Male	White Female	Nonwh Male	Nonwh Female	Total	White Male	White Female	Nonwh Male	Nonwh Female
	965	302	247	240	176	1,039.7	865.9	740.7	1,927.7	1,449.3
Certain Conditions Originating in the Perinatal Period (760-779)										
Maternal conditions unrelated to present pregnancy (760)	479	144	99	141	95	516.1	412.9	296.9	1,132.5	782.3
Maternal complications of pregnancy (761)	2	1	1	1	1	2.2	2.9	3.0	0.0	0.0
Complications of placenta, cord, and membranes (762)	40	11	9	13	7	43.1	31.5	27.0	104.4	57.6
Other complications of labor and delivery (763)	15	4	5	4	2	16.2	11.5	15.0	32.1	16.5
	3		1	2		3.2	0.0	3.0	16.1	0.0
Slow fetal growth and fetal malnutrition (764)	3		1	1	1	3.2	0.0	3.0	8.0	8.2
Disorders relating to short gestation and low birth weight (765)	115	33	17	41	24	123.9	94.6	51.0	329.3	197.6
Disorders relating to long gestation and high birth weight (766)										
Birth trauma (767)	2	1	1			2.2	2.9	3.0	0.0	0.0
Intrauterine Hypoxia and Birth Asphyxia (768)										
Fetal distress in liveborn infant (768.2-768.4)	14	7	5	1	1	15.1	20.1	15.0	8.0	8.2
Birth asphyxia (768.5-768.9)	13	6	5	1	1	14.0	17.2	15.0	8.0	8.2
Respiratory distress syndrome (769)	56	23	14	11	8	60.3	65.9	42.0	88.4	65.9
Other respiratory conditions (770)	82	29	14	26	13	86.3	83.2	42.0	208.8	107.0
Infections specific to perinatal period (771)	38	12	7	12	7	40.9	34.4	21.0	96.4	57.6
Neonatal hemorrhage (772)	5	3	1	1		5.4	8.6	3.0	8.0	0.0
Hemolytic disease due to isoimmunization and other perinatal jaundice (773-774)										
Syndrome of "Infant of diabetic mother" and neonatal diabetes mellitus (775.0-775.1)										
Hemorrhagic disease (776.0)										
Other conditions originating in perinatal period (775.2-775.9, 776.1-779)	104	20	23	29	32	112.0	57.3	69.0	232.9	263.5
Symptoms and ill-defined conditions (780-799)										
Sudden infant death syndrome (798.0)	129	46	34	30	19	139.0	131.9	102.0	241.0	156.5
Symptoms and all ill-defined conditions (780-797, 798.1-799)	116	42	32	26	16	125.0	120.4	96.0	208.8	131.8
Accidents (E800-E949)										
Motor vehicle (E810-E825)	23	7	5	6	5	24.6	20.1	15.0	48.2	41.2
Inhalation or ingestion of food or object (E911-E912)	5	1	3		1	5.4	2.9	9.0	0.0	8.2
Mechanical suffocation (E913)	2	1	1	3	1	2.2	2.9	0.0	0.0	8.2
Other accidents (Residual of E800-E949)	7	2	1	3	1	7.5	5.7	3.0	24.1	8.2
	9	3	1	3	2	9.7	8.6	3.0	24.1	16.5
Homicide (E960-E969)										
Child battering and other maltreatment (E967)	9	1	2	3	3	9.7	2.9	6.0	24.1	24.7
Other homicide (E960-E966, E968-E969)	4	1	1	3	2	4.3	2.9	3.0	0.0	16.5
	5		1	3	1	5.4	0.0	3.0	24.1	8.2
All other causes	48	13	13	9	13	51.7	37.3	39.0	72.3	107.0

TABLE 38
RESIDENT INFANT DEATHS BY AGE AND CAUSE OF DEATH
VIRGINIA, 1988

CAUSE OF DEATH (Numbers refer to International Classification of Diseases, 9th Revision)		Total Under 1 Year	Under 1 Day	1-6 Days	7-13 Days	14-20 Days	21-27 Days	Total Under 28 Days	1 Mo.	2 Mos.	3-5 Mos.	6-8 Mos.	9-11 Mos.
STATE OF VIRGINIA		965	373	147	49	39	25	633	77	67	108	44	36
Certain intestinal infections (008-009)		2					1	1	1				
Whooping cough (033)		4							1		1	2	
Meningococcal infections (036)		13							4	2	6	1	
Septicemia (038)		2					1	1		1			
Viral diseases (045-079)													
Congenital syphilis (090)		1							1				
Other infectious and parasitic diseases (Residual of 001-139)													
Malignant neoplasms (140-208)													
Benign neoplasms and neoplasms of unspecified nature (210-239)													
Diseases of thymus gland (254)													
Cystic fibrosis (277.0)		2							1		1		
Diseases of blood and blood-forming organs (280-289)		7							1	1	2	3	
Meningitis (320-322)		20	1	1				2	3	1	6	1	7
Other diseases of nervous system and sense organs (323-389)													
Acute upper respiratory infections (460-465)													
Bronchitis and bronchiolitis (466,490-491)													
Pneumonia and Influenza (480-487)		9		1	1			2	1	2	1	2	1
Pneumonia (480-486)		9		1	1			2	1	2	1	2	1
Influenza (487)													
Other diseases of respiratory system (470-478,492-519)		13		1				1	1	2	5	3	1
Hernia and intestinal obstruction (550-553,560)		6	2	1				3	1	2	1	1	1
Gastritis, duodenitis, and noninfective enteritis and colitis (535,555-558)		4		1				1	1	1	1	2	3
Other diseases of digestive system (520-534,536-543,562-579)		8			1			2	1				
Congenital Anomalies (740-759)		186	59	42	14	11	5	131	12	5	23	11	4
Anencephalus (740)		9	8	1				9					
Spina bifida (741)		2	1					1					1
Congenital hydrocephalus (742.3)		5	1					1					2
Other anomalies of central nervous system and eye (742.0-742.2,742.4-742.9,743)		9	4	1				5	1		2	1	
Anomalies of heart (745-746)													
Other anomalies of circulatory system (747)		58	2	15	3	5	2	27	6	4	12	8	1
Anomalies of respiratory system (748)		18	2	5	3	4		14	2	1	1		
Anomalies of digestive system (749-751)		31	20	9	1		1	31					
Anomalies of genitourinary system (752-753)		3	2	2	1			3					
Anomalies of musculoskeletal system (754-756)		3	1	1				2				1	
Anomalies of musculoskeletal system (754-756)													
Down's syndrome (758.0)		12	7	2	2	1		12					
Other chromosomal anomalies (758.1-758.9)		1						1					
Other and unspecified anomalies (744,757,759)		12	1	4	2	1		8	1		3	1	
		23	10	4	1		2	17	2		3		

(continued)

TABLE 38
RESIDENT INFANT DEATHS BY AGE AND CAUSE OF DEATH
VIRGINIA, 1988 (continued)

CAUSE OF DEATH (Numbers refer to International Classification of Diseases, 9th Revision)	Total Under 1 Year	Under 1 Day	1-6 Days	7-13 Days	14-20 Days	21-27 Days	Total Under 28 Days	1 Mo.	2 Mo.	3-5 Mo.	6-8 Mo.	9-11 Mo.
STATE OF VIRGINIA	965	373	147	49	39	25	633	77	67	108	44	36
Certain Conditions Originating in the Perinatal Period (760-779)	479	301	91	29	25	11	457	8	2	8	3	1
Maternal conditions unrelated to present pregnancy (760)	2	1		1			2					
Maternal complications of pregnancy (761)	40	40					40					
Complications of placenta, cord, and membranes (762)	15	13	2				15					
Other complications of labor and delivery (763)	3	3					3					
Slow fetal growth and fetal malnutrition (764)	3	3					3					
Disorders relating to short gestation and low birth weight (765)	115	102	8		1		111	1	1	2		
Disorders relating to long gestation and high birth weight (766)												
Birth trauma (767)	2		1		1		2					
Intrauterine Hypoxia and Birth Asphyxia (768)												
Fetal distress in liveborn infant (768.2-768.4)	14	4	4	3	1	1	13					1
Birth asphyxia (768.5-768.9)	13	4	4	2	1	1	12					1
Respiratory distress syndrome (769)	56	19	23	5	5	2	54	1	1	1		
Other respiratory conditions (770)	82	32	25	2	7	3	69	4	1	5	3	
Infections specific to perinatal period (771)	38	7	11	9	7	3	37	1	1			
Neonatal hemorrhage (772)	5	1	3				4					
Hemolytic disease due to isoimmunization and other perinatal jaundice (773-774)												
Syndromes of "infant of diabetic mother" and neonatal diabetes mellitus (775.0-775.1)												
Hemorrhagic disease (776.0)												
Other conditions originating in perinatal period (775.2-775.9, 776.1-779)	104	76	14	9	3	2	104					
Symptoms and Ill-defined Conditions (780-799)												
Sudden infant death syndrome (798.0)	129	3	3		2	7	15	28	40	37	6	3
Symptoms and all ill-defined conditions (780-799, 798.1-799)	116	3	1		2	7	10	27	35	36	3	3
Accidents (E800-E949)	23	1	2				5	1	5	1	1	
Motor vehicle (E810-E825)	5						1	5	1	2	4	10
Inhalation or ingestion of food or object (E911-E912)	2									1	1	3
Mechanical suffocation (E913)	7								1	1	1	1
Other accidents (Residual of E800-E949)	9	1					1	3	1	1	2	4
Homicide (E960-E969)												
Child battering and other maltreatment (E967)	9	3					3	3	3	3	1	2
Other homicide (E960-E966, E968-E969)	4	3					3			2	1	2
All other causes	48	3	6	4			13	8	7	12	5	3

TABLE 39 - DEATHS BY PLACE OF OCCURRENCE AND PLACE OF RESIDENCE WITH RESIDENT RATE PER 1,000 POPULATION
BY RACE BY PLANNING DISTRICT AND CITY OR COUNTY, VIRGINIA, 1988

PLANNING DISTRICT AND CITY / COUNTY	PLACE OF OCCURRENCE			PLACE OF RESIDENCE					
	Total	White	Nonwhite	Total	Number White	Nonwhite	Total	Rate White	Nonwhite
STATE OF VIRGINIA	46,903	36,084	10,819	47,557	36,734	10,823	8.0	7.9	8.4
DISTRICT 1	738	725	13	1,026	1,014	12	9.6	9.6	7.1
LEE	172	171	1	274	273	1	9.7	9.7	6.3
SCOTT	104	104		278	278		10.7	10.8	0.0
WISE	285	276	9	426	419	7	8.9	8.9	6.7
WORTH	177	174	3	48	44	4	9.7	9.4	13.2
DISTRICT 2	782	779	3	1,195	1,168	27	8.0	8.0	12.3
BUCHANAN	174	174		259	258	1	6.5	6.5	5.3
DICKENSON	107	105	2	187	186	1	8.7	8.7	7.4
RUSSELL	147	147		258	254	4	7.5	7.5	11.8
TAZEWELL	364	353	11	491	470	21	9.2	9.0	13.7
DISTRICT 3	1,580	1,539	41	1,939	1,882	57	10.2	10.2	11.0
BLAND	18	18		68	65	3	9.8	9.7	12.1
CARROLL	86	86		267	266	1	9.3	9.3	6.9
GRAYSON	53	50	3	191	184	7	11.1	11.1	11.7
SMYTH	380	374	6	364	361	3	10.6	10.7	4.4
WASHINGTON	382	374	8	435	423	12	8.8	8.7	12.9
WYTHE	273	260	13	300	286	14	11.2	11.1	13.9
BRISTOL	97	93	4	229	216	13	12.4	12.5	10.6
GALAX	291	264	27	85	81	4	12.0	12.1	11.4
DISTRICT 4	940	892	48	1,153	1,091	62	7.7	7.6	9.5
FLOYD	42	38	4	110	102	8	8.8	8.4	23.3
GILES	118	117	1	185	183	2	10.1	10.2	4.9
MONTGOMERY	337	324	13	412	395	17	6.0	5.9	6.5
PULASKI	242	224	18	335	313	22	9.2	9.1	10.6
RADFORD	201	189	12	111	98	13	7.8	7.5	12.1
DISTRICT 5	3,524	3,107	417	2,716	2,376	340	10.4	10.3	10.6
ALLEGHANY	238	217	21	120	116	4	8.2	8.1	9.5
BOTETOURT	72	62	10	183	166	17	7.2	6.7	22.0
CRAIG	6	6		41	40	1	9.5	9.3	100.0
ROANOKE	349	333	16	680	657	23	8.6	8.5	10.8
CLIFTON FORGE	68	56	12	107	98	9	20.7	20.5	21.6
COVINGTON	14	13	1	95	84	11	12.1	12.7	8.9
ROANOKE CITY	1,732	1,495	237	1,228	981	247	12.3	13.1	9.7
SALEM	1,045	925	120	262	244	18	10.6	10.4	15.8
DISTRICT 6	1,896	1,790	106	2,011	1,897	114	9.1	9.0	10.6
AUGUSTA	119	117	2	432	419	13	8.3	8.4	6.4
BATH	39	33	6	64	59	5	11.5	11.6	10.2
HIGHLAND	14	14		31	30	1	9.8	9.6	58.8
ROCKBRIDGE	61	55	6	191	177	14	10.2	9.7	28.7
ROCKINGHAM	164	163	1	459	452	7	8.1	8.1	6.4
BUENA VISTA	45	43	2	70	69	1	10.0	10.3	3.4
HARRISONBURG	647	627	20	215	205	10	7.7	7.7	8.7
LEXINGTON	154	140	14	71	63	8	10.4	10.2	11.8
STAUNTON	351	309	42	283	239	44	11.4	10.8	15.7
WAYNESBORO	302	289	13	195	184	11	10.5	10.9	6.3
DISTRICT 7	1,475	1,402	73	1,456	1,383	73	9.9	9.9	11.3
CLARKE	61	55	6	114	97	17	10.6	10.1	15.7
FREDERICK	66	64	2	269	266	3	6.8	6.8	4.7
PAGE	113	111	2	210	204	6	10.0	10.0	10.2
SHEWANDOAH	268	264	4	323	320	3	10.7	10.7	6.3
WARREN	203	181	22	235	213	22	9.8	9.4	15.3
WINCHESTER	764	727	37	305	283	22	14.3	14.8	9.8
DISTRICT 8	5,144	5,431	713	5,625	5,875	750	5.2	5.5	3.5
ARLINGTON	1,436	1,258	178	1,172	1,028	144	7.5	8.6	3.9
FAIRFAX	2,673	2,432	241	3,179	2,916	263	4.5	4.9	2.4
LOUDOUN	338	311	27	440	401	39	6.3	6.3	6.1
PRINCE WILLIAM	351	301	50	665	569	96	3.6	3.5	4.4
ALEXANDRIA	845	674	171	786	607	179	7.3	8.6	4.7
FAIRFAX CITY	150	143	7	146	137	9	7.0	7.2	4.5
FALLS CHURCH	23	22	1	69	65	4	7.1	7.5	3.9
MANASSAS	327	289	38	137	123	14	6.7	6.8	6.1
MANASSAS PARK	1	1		31	29	2	4.4	4.5	3.5
DISTRICT 9	787	657	130	961	760	201	9.1	8.6	11.7
CULPEPER	271	216	55	260	192	68	10.5	9.7	13.3
FAUQUIER	354	304	50	352	283	69	8.1	7.6	11.6
MADISON	67	57	10	115	87	28	10.4	9.6	14.3
ORANGE	83	68	15	170	138	32	8.4	8.2	8.9
SPAFFANHAMOCK	12	12		64	60	4	10.2	10.5	7.4
DISTRICT 10	1,848	1,441	407	1,357	1,062	295	8.4	8.0	10.2
ALBEMARLE	1,141	853	288	434	376	58	8.5	6.4	7.4
FLUVANNA	31	24	7	98	68	30	8.6	8.3	9.4
GREENE	29	26	3	80	73	7	8.6	8.5	10.2
LOUISA	80	61	19	197	135	62	9.9	9.7	10.2
NELSON	79	60	19	167	120	47	13.3	11.8	19.9
CHARLOTTESVILLE	488	417	71	381	290	91	9.2	8.8	10.5
DISTRICT 11	1,949	1,531	418	1,978	1,562	416	9.4	9.1	10.5
AMHERST	117	96	21	268	205	63	8.8	8.6	10.1
APPOMATTOX	53	40	13	131	99	32	10.1	9.8	10.9
BEDFORD	105	88	17	341	302	39	8.1	7.8	10.7
CAMPBELL	114	89	25	348	275	73	7.0	6.5	10.5
BEDFORD CITY	182	161	21	111	93	18	17.1	18.1	13.3
LYNCHBURG	1,378	1,057	321	779	588	191	11.1	11.4	10.3

(continued)

TABLE 29 - DEATHS BY PLACE OF OCCURRENCE AND PLACE OF RESIDENCE WITH RESIDENT RATE PER 1,000 POPULATION BY RACE BY PLANNING DISTRICT AND CITY OR COUNTY, VIRGINIA, 1988 (continued)

PLANNING DISTRICT AND CITY / COUNTY	PLACE OF OCCURRENCE			PLACE OF RESIDENCE					
	Total	White	Nonwhite	Total	Number White	Nonwhite	Total	Rate White	Nonwhite
STATE OF VIRGINIA	46,903	36,084	10,819	47,557	36,734	10,823	8.0	7.9	8.4
<u>DISTRICT 12</u>	<u>2,026</u>	<u>1,541</u>	<u>485</u>	<u>2,351</u>	<u>1,794</u>	<u>555</u>	<u>9.3</u>	<u>9.6</u>	<u>9.1</u>
FRANKLIN	215	192	23	313	278	35	8.0	8.1	7.4
HENRY	95	68	27	420	329	91	7.2	7.5	6.6
PATRICK	126	113	13	144	151	13	9.0	9.0	8.9
PITTSYLVANIA	160	115	45	543	407	136	8.0	8.2	7.2
DAWVILLE	1,002	721	281	690	486	204	15.3	16.7	12.8
MARTINSVILLE	428	332	96	221	145	76	11.5	11.4	11.8
<u>DISTRICT 13</u>	<u>873</u>	<u>522</u>	<u>351</u>	<u>1,000</u>	<u>582</u>	<u>418</u>	<u>11.9</u>	<u>12.0</u>	<u>11.7</u>
BRUNSWICK	50	23	27	179	80	99	11.1	11.7	10.6
HALIFAX	114	72	42	352	212	140	11.4	11.4	11.6
WECHELEBURG	373	219	154	379	237	142	12.6	12.8	12.5
SOUTH BOSTON	136	208	128	90	53	37	12.1	11.9	12.5
<u>DISTRICT 14</u>	<u>643</u>	<u>390</u>	<u>253</u>	<u>1,055</u>	<u>625</u>	<u>430</u>	<u>12.1</u>	<u>11.7</u>	<u>12.9</u>
AMELIA	39	25	14	106	61	45	11.7	10.0	15.4
SUCKERHAW	48	31	17	158	94	64	12.7	13.2	12.0
CHARLOTTE	59	33	26	163	94	69	14.1	12.5	16.9
CUMBERLAND	29	16	13	95	53	42	11.2	10.8	11.8
CUMBERBURG	46	27	19	155	93	62	12.6	11.8	14.1
NOTTOWAY	129	68	61	220	141	79	14.6	15.8	12.9
PRINCE EDWARD	293	190	103	158	89	69	8.8	8.0	10.1
<u>DISTRICT 15</u>	<u>7,338</u>	<u>4,998</u>	<u>2,340</u>	<u>6,229</u>	<u>4,279</u>	<u>1,950</u>	<u>8.7</u>	<u>8.5</u>	<u>9.4</u>
CHARLES CITY COUNTY	19	9	10	55	16	39	8.0	12.0	7.1
CHESTERFIELD	592	518	74	895	784	111	4.7	4.6	5.9
DOUGHLAND	38	21	17	128	78	50	9.6	8.4	12.1
HANOVER	136	110	26	448	371	77	7.7	7.1	11.8
HENRICO	2,024	1,712	312	1,787	1,542	245	8.8	9.6	5.8
NEW KENT	31	20	11	84	61	23	7.6	7.0	9.6
POWHEATAN	36	19	17	103	70	33	6.7	5.8	10.0
RICHMOND CITY	4,462	2,589	1,873	2,729	1,357	1,372	12.7	15.1	11.0
<u>DISTRICT 16</u>	<u>901</u>	<u>744</u>	<u>157</u>	<u>1,000</u>	<u>806</u>	<u>194</u>	<u>6.7</u>	<u>6.4</u>	<u>7.8</u>
CAROLINE	73	51	22	153	83	70	7.6	7.1	8.4
KING GEORGE	48	39	9	101	77	24	8.2	8.1	8.3
SPOTSYLVANIA	121	104	17	270	225	45	6.1	5.9	7.9
STAFFORD	97	90	7	296	275	21	5.5	5.6	5.4
FREDERICKSBURG	562	460	102	180	146	34	8.9	9.1	8.1
<u>DISTRICT 17</u>	<u>413</u>	<u>299</u>	<u>114</u>	<u>607</u>	<u>434</u>	<u>173</u>	<u>13.9</u>	<u>14.8</u>	<u>12.0</u>
LANCASTER	225	162	63	159	107	52	13.7	13.5	14.1
NORTHUMBERLAND	41	32	9	159	112	47	15.4	16.0	14.2
RICHMOND	82	57	25	106	80	26	14.5	15.2	12.6
WESTMORELAND	35	48	17	183	135	48	12.6	14.7	9.0
<u>DISTRICT 18</u>	<u>574</u>	<u>426</u>	<u>148</u>	<u>779</u>	<u>578</u>	<u>201</u>	<u>10.8</u>	<u>10.5</u>	<u>11.5</u>
ESSEX	132	88	44	103	63	40	11.2	11.6	10.6
GLOUCESTER	283	223	60	262	218	44	9.3	8.9	12.4
KING & QUEEN	24	14	10	80	44	36	12.2	12.2	12.3
KING WILLIAM	35	24	11	84	54	30	7.9	7.6	8.3
MATHEWS	40	38	2	118	103	15	12.8	13.2	10.8
MIDDLESEX	60	39	21	132	96	36	15.1	14.9	15.7
<u>DISTRICT 19</u>	<u>1,506</u>	<u>864</u>	<u>642</u>	<u>1,610</u>	<u>913</u>	<u>697</u>	<u>9.8</u>	<u>9.8</u>	<u>9.9</u>
DINWIDDIE	80	38	42	214	117	97	9.9	8.4	12.6
GREENSVILLE	20	10	10	104	44	60	9.6	9.6	9.6
PRINCE GEORGE	67	45	22	117	79	38	4.1	4.3	3.8
SURRY	23	11	12	69	31	38	10.9	12.0	10.1
SUSSEX	32	9	23	121	45	76	12.0	10.2	13.4
COLONIAL HEIGHTS	54	51	3	159	153	6	9.1	8.9	24.5
EMPORIA	213	91	122	88	39	49	18.9	14.7	24.5
HOPEWELL	299	227	72	256	200	56	10.4	10.7	9.5
PETERSBURG	718	382	336	462	205	257	12.1	19.1	9.5
<u>DISTRICT 20</u>	<u>7,430</u>	<u>4,791</u>	<u>2,639</u>	<u>7,246</u>	<u>4,571</u>	<u>2,675</u>	<u>7.5</u>	<u>6.9</u>	<u>8.7</u>
ISLE OF WIGHT	58	35	23	227	121	106	9.5	7.8	12.5
SOUTHAMPTON	49	24	25	184	97	87	10.0	9.8	10.3
CHESAPEAKE	747	548	199	1,028	713	315	7.5	7.4	7.6
FRANKLIN CITY	200	106	94	111	51	60	13.9	14.5	13.4
NORFOLK	3,258	1,962	1,296	2,330	1,298	1,032	8.5	8.3	8.8
PORTSMOUTH	1,312	759	553	1,108	605	503	9.8	10.7	9.0
SUFFOLK	477	230	247	570	255	315	10.6	8.7	12.8
VIRGINIA BEACH	1,329	1,127	202	1,688	1,431	257	4.9	4.8	5.5
<u>DISTRICT 21</u>	<u>3,005</u>	<u>1,885</u>	<u>1,120</u>	<u>2,635</u>	<u>1,683</u>	<u>950</u>	<u>5.9</u>	<u>6.6</u>	<u>7.5</u>
JAMES CITY COUNTY	92	66	26	184	130	54	6.3	6.0	7.1
YOKE	48	35	13	161	117	44	3.8	3.4	5.4
HAMPTON	1,119	553	566	949	570	379	7.4	7.5	7.3
NEWPORT NEWS	1,503	1,044	459	1,184	733	451	7.4	7.1	7.9
POQUOSON	14	14		64	64		5.8	5.8	0.0
WILLIAMSBURG	229	173	56	93	71	22	8.3	7.4	14.2
<u>DISTRICT 22</u>	<u>521</u>	<u>330</u>	<u>191</u>	<u>628</u>	<u>395</u>	<u>233</u>	<u>13.4</u>	<u>14.4</u>	<u>11.9</u>
ACCOMACK	156	124	32	411	289	122	12.8	14.6	9.9
NORTHAMPTON	365	206	159	217	106	111	14.7	13.9	15.5

TABLE 40
RESIDENT DEATHS FROM IMPORTANT CAUSES WITH RATES PER 100,000 POPULATION BY RACE, VIRGINIA, 1979-1988

YEAR	TOTAL		WHITE		NONWHITE		TOTAL		WHITE		NONWHITE	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
TUBERCULOSIS, ALL FORMS 010-018							HYPERTENSION 401,403					
1979	44	0.8	18	0.4	26	2.3	140	2.7	87	2.1	53	4.8
1980	48	0.9	20	0.5	28	2.5	156	2.9	88	2.1	68	6.1
1981	42	0.8	24	0.6	18	1.6	174	3.2	107	2.5	67	5.9
1982	38	0.7	25	0.6	13	1.1	158	2.9	99	2.3	59	5.1
1983	32	0.6	18	0.4	14	1.2	152	2.8	93	2.1	59	5.0
1984	30	0.5	16	0.4	14	1.2	154	2.8	85	1.9	69	5.7
1985	33	0.6	15	0.3	18	1.5	136	2.4	84	1.9	52	4.2
1986	49	0.8	26	0.6	23	1.8	175	3.0	107	2.3	68	5.5
1987	30	0.5	13	0.3	17	1.3	147	2.5	92	2.0	55	4.3
1988	37	0.6	19	0.4	18	1.4	163	2.7	84	1.8	79	6.1
SEPTICEMIA 038							CEREBROVASCULAR DISEASE 430-438					
1979	269	5.1	181	4.4	88	7.9	3,715	70.6	2,775	66.8	940	84.9
1980	319	6.0	215	5.1	104	9.3	3,750	70.1	2,837	67.1	913	81.8
1981	363	6.7	259	6.0	104	9.2	3,819	70.3	2,940	68.4	879	77.5
1982	347	6.4	248	5.8	99	8.5	3,461	63.4	2,648	61.5	813	70.2
1983	376	6.8	249	5.7	127	10.8	3,486	63.1	2,639	60.7	847	71.7
1984	475	8.5	320	7.3	155	12.9	3,474	62.1	2,683	61.1	791	65.7
1985	470	8.2	318	7.1	152	12.4	3,510	61.3	2,714	60.3	796	65.1
1986	533	9.2	370	8.1	163	13.1	3,552	61.2	2,684	58.9	868	69.8
1987	572	9.7	396	8.6	176	13.9	3,438	58.5	2,626	57.0	812	64.2
1988	640	10.8	442	9.5	198	15.4	3,516	59.1	2,649	56.8	867	67.4
MALIGNANT NEOPLASMS 140-208							ATHEROSCLEROSIS 440					
1979	8,628	164.0	6,799	163.7	1,829	165.2	574	10.9	470	11.3	104	9.4
1980	9,139	170.9	7,144	168.9	1,995	178.7	579	10.8	475	11.2	104	9.3
1981	9,090	167.4	7,147	166.4	1,943	171.3	537	9.9	454	10.6	83	7.3
1982	9,555	174.9	7,451	173.1	2,104	181.6	571	10.5	473	11.0	98	8.5
1983	9,947	180.0	7,788	179.2	2,159	182.9	578	10.5	470	10.8	108	9.1
1984	10,016	178.9	7,820	178.0	2,196	182.3	568	10.1	463	10.5	105	8.7
1985	10,455	182.6	8,217	182.5	2,238	182.9	477	8.3	409	9.1	68	5.6
1986	10,825	186.6	8,449	185.5	2,376	190.9	529	9.1	443	9.7	86	6.9
1987	10,789	183.7	8,441	183.1	2,348	185.6	449	7.6	370	8.0	79	6.2
1988	11,088	186.4	8,647	185.5	2,441	189.8	411	6.9	326	7.0	85	6.6
DIABETES MELLITUS 250							OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES 441-448					
1979	597	11.4	389	9.4	208	18.8	411	7.8	355	8.5	56	5.1
1980	691	12.9	456	10.8	235	21.0	394	7.4	326	7.7	68	6.1
1981	633	11.7	409	9.5	224	19.8	417	7.7	348	8.1	69	6.1
1982	624	11.4	442	10.3	182	15.7	368	6.7	308	7.2	60	5.2
1983	668	12.1	437	10.1	231	19.6	448	8.1	383	8.8	65	5.5
1984	634	11.3	401	9.1	233	19.3	460	8.2	385	8.8	75	6.2
1985	626	10.9	435	9.7	191	15.6	432	7.5	373	8.3	59	4.8
1986	703	12.1	464	10.2	239	19.2	437	7.5	368	8.1	69	5.5
1987	740	12.6	479	10.4	261	20.6	466	7.9	381	8.3	85	6.7
1988	752	12.6	492	10.6	260	20.2	515	8.7	416	8.9	99	7.7
DISEASES OF HEART 390-398,402,404-429							PNEUMONIA AND INFLUENZA 480-487					
1979	15,366	292.2	12,297	296.2	3,069	277.2	1,025	19.5	793	19.1	232	21.0
1980	15,733	294.3	12,510	295.8	3,223	288.7	1,149	21.5	901	21.3	248	22.2
1981	15,442	284.4	12,370	288.0	3,072	270.9	1,252	23.1	1,016	23.7	236	20.8
1982	15,490	283.6	12,478	290.0	3,012	260.0	1,115	20.4	921	21.4	194	16.7
1983	16,151	292.2	13,016	299.5	3,135	265.5	1,263	22.9	1,038	23.9	225	19.1
1984	15,989	285.6	12,785	291.0	3,204	266.0	1,292	23.1	1,073	24.4	219	18.2
1985	16,036	280.1	12,810	284.5	3,226	263.7	1,453	25.4	1,190	26.4	263	21.5
1986	15,981	275.5	12,673	278.2	3,308	265.8	1,592	27.4	1,328	29.1	264	21.2
1987	15,988	272.2	12,672	274.9	3,316	262.1	1,592	27.1	1,336	29.0	256	20.2
1988	16,143	271.4	12,772	273.9	3,371	262.2	1,736	29.2	1,450	31.1	286	22.2

NOTE: The heading of each individual table shows the name of the disease and the code from the International Classification of Diseases, 9th revision used in 1979-1988.

(continued)

TABLE 40 (continued)
RESIDENT DEATHS FROM IMPORTANT CAUSES WITH RATES PER 100,000 POPULATION BY RACE, VIRGINIA, 1979-1988

YEAR	TOTAL		WHITE		NONWHITE		TOTAL		WHITE		NONWHITE	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
CHRONIC OBSTRUCTIVE PULMONARY DISEASES 490-496							ACCIDENTS, ALL TYPES E800-E949					
1979	1,010	19.2	890	21.4	120	10.8	2,213	42.1	1,717	41.4	496	44.8
1980	1,130	21.1	999	23.6	131	11.7	2,450	45.8	1,889	44.7	561	50.2
1981	1,242	22.9	1,082	25.2	160	14.1	2,253	41.5	1,736	40.4	517	45.6
1982	1,225	22.4	1,070	24.9	155	13.4	2,043	37.4	1,588	36.9	455	39.3
1983	1,396	25.3	1,230	28.3	166	14.1	2,076	37.6	1,566	36.0	510	43.2
1984	1,457	26.0	1,273	29.0	184	15.3	2,185	39.0	1,696	38.6	489	40.6
1985	1,545	27.0	1,364	30.3	181	14.8	2,176	38.0	1,605	35.6	571	46.7
1986	1,630	28.1	1,435	31.5	195	15.7	2,273	39.2	1,705	37.4	568	45.6
1987	1,701	29.0	1,498	32.5	203	16.0	2,302	39.2	1,740	37.8	562	44.4
1988	1,641	27.6	1,455	31.2	186	14.5	2,212	37.2	1,647	35.3	565	43.9
CHRONIC LIVER DISEASE AND CIRRHOSIS 571							MOTOR VEHICLE ACCIDENTS E810-E825					
1979	559	10.6	446	10.7	113	10.2	1,002	19.1	820	19.7	182	16.4
1980	608	11.4	472	11.2	136	12.2	1,081	20.2	856	20.2	225	20.2
1981	555	10.2	437	10.2	118	10.4	1,049	19.3	855	19.9	194	17.1
1982	508	9.3	401	9.3	107	9.2	875	16.0	713	16.6	162	14.0
1983	546	9.9	435	10.0	111	9.4	924	16.7	734	16.9	190	16.1
1984	554	9.9	436	9.9	118	9.8	1,009	18.0	785	17.9	224	18.6
1985	544	9.5	429	9.5	115	9.4	999	17.4	752	16.7	247	20.2
1986	499	8.6	393	8.6	106	8.5	1,122	19.3	865	19.0	257	20.7
1987	454	7.7	349	7.6	105	8.3	1,078	18.4	875	19.0	203	16.0
1988	546	9.2	429	9.2	117	9.1	1,020	17.1	785	16.8	235	18.3
COMPLICATIONS OF PREGNANCY, CHILDBIRTH AND PUERPERIUM** 630-676							ALL OTHER ACCIDENTS E800-E807, E826-E949					
1979	7	9.1	4	7.1	3	14.9	1,211	23.0	897	21.6	314	28.4
1980	3	3.8	1	1.7	2	9.8	1,369	25.6	1,033	24.4	336	30.1
1981	6	7.6	2	3.4	4	19.6	1,204	22.2	881	20.5	323	28.5
1982	3	3.7	1	1.7	2	9.7	1,168	21.4	875	20.3	293	25.3
1983	4	5.0	1	1.7	3	14.5	1,152	20.8	832	19.1	320	27.1
1984	6	7.3	3	4.9	3	14.1	1,176	21.0	911	20.7	265	22.0
1985	5	5.8	1	1.6	4	18.2	1,177	20.6	853	18.9	324	26.5
1986	1	1.2	1	1.6	0	0.0	1,151	19.8	840	18.4	311	25.0
1987	6	6.6	2	3.0	4	17.1	1,224	20.8	865	18.8	359	28.4
1988	10	10.8	5	7.3	5	20.3	1,192	20.0	862	18.5	330	25.7
CONGENITAL ANOMALIES 740-759							SUICIDE E950-E959					
1979	335	6.4	263	6.3	72	6.5	775	14.7	693	16.7	82	7.4
1980	333	6.2	259	6.1	74	6.6	718	13.4	646	15.3	72	6.4
1981	290	5.3	214	5.0	76	6.7	711	13.1	633	14.7	78	6.9
1982	287	5.3	218	5.1	69	6.0	761	13.9	678	15.8	83	7.2
1983	295	5.3	223	5.1	72	6.1	718	13.0	630	14.5	88	7.5
1984	305	5.4	221	5.0	84	7.0	710	12.7	625	14.2	85	7.1
1985	272	4.8	206	4.6	66	5.4	751	13.1	667	14.8	84	6.9
1986	273	4.7	198	4.3	75	6.0	810	14.0	706	15.5	104	8.4
1987	306	5.2	230	5.0	76	6.0	830	14.1	732	15.9	98	7.7
1988	294	4.9	223	4.8	71	5.5	756	12.7	669	14.3	87	6.8
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD 760-779							HOMICIDE E960-E978					
1979	651	12.4	391	9.4	260	23.5	501	9.5	262	6.3	239	21.6
1980	591	11.1	348	8.2	243	21.8	496	9.3	237	5.6	259	23.2
1981	560	10.3	329	7.7	231	20.4	500	9.2	268	6.2	232	20.5
1982	587	10.7	330	7.7	257	22.2	447	8.2	218	5.1	229	19.8
1983	525	9.5	265	6.1	260	22.0	430	7.8	203	4.7	227	19.2
1984	540	9.6	297	6.8	243	20.2	461	8.2	236	5.4	225	18.7
1985	535	9.3	291	6.5	244	19.9	427	7.5	202	4.5	225	18.4
1986	500	8.6	271	5.9	229	18.4	458	7.9	219	4.8	239	19.2
1987	434	7.4	227	4.9	207	16.4	472	8.0	207	4.5	265	20.9
1988	481	8.1	245	5.3	236	18.4	496	8.3	210	4.5	286	22.2

NOTE: The heading of each individual table shows the name of the disease and the code from the International Classification of Diseases, 9th revision used in 1979-1988.

**Rates per 100,000 live births

TABLE 41 - RESIDENT DEATHS BY AGE BY CAUSE, RACE AND SEX, VIRGINIA, 1968

CAUSE OF DEATH	Race/ Sex	All Ages	AGE (in years)																85+	Unk.
			Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84
			W	M	F	W	M	F	W	M	F	W	M	F	W	M	F	W	M	F
ALL CAUSES	Total	47,557	965	157	89	88	335	511	610	715	754	1,005	1,291	1,739	2,629	2,940	5,368	5,982	6,645	5,931
	W	19,079	302	55	41	42	181	274	327	333	333	459	572	807	1,264	1,870	2,412	2,767	2,702	2,149
	M	17,655	247	52	27	23	67	80	102	130	165	240	338	439	674	1,082	1,625	1,899	2,541	2,759
	F	6,017	240	30	13	15	65	120	161	185	160	199	229	335	425	579	795	717	765	456
Certain other intestinal infections (007-009)	Total	4,806	176	20	8	8	22	37	73	96	96	107	152	178	266	409	536	599	637	567
	W	6	2															1	2	
	M	3																2		
	F	3																		1
Tuberculosis, all forms (010-018)	Total	37						1	1		1		1		4	1	3	4	6	6
	W	9													1	1	1	1	4	4
	M	10													2	1	1	2	1	1
	F	9						1	1		1				1		1	2	2	3
Meningococcal infection (036)	Total	11	4	4									2					1		
	W	1	1	1									1					1		
	M	6	3	1									1							
	F	2	1	1																
Septicemia (038)	Total	640	13	1	1	1	1	2	1	9	6	8	15	3	22	39	67	95	88	76
	W	185	2	1	1	1	1	1	1	1	4	4	3	3	5	16	22	40	27	31
	M	257	1							4	1	1	4	1	9	8	21	26	33	29
	F	97	4							3	1	3	4	5	4	10	11	18	17	10
Acute poliomyelitis (045)	Total	1	6	1	1			1	1	1	1		4	2	4	5	13	11	11	13
	W	1	1	1												1				
	M																			
	F																			28
Viral hepatitis (070)	Total	27						1		1	3	1	4	2	2	3	3	1	2	2
	W	12								1	3	1	1	1	1	2	1	1	2	2
	M	10						1		1			1	2	1	1	1			
	F	4											2	1						
Syphilis (090-097)	Total	3	1															1	1	
	W	1																		
	M																			
	F	2																		
Other infectious and parasitic diseases (Residual of 001-139)	Total	409	7	4	3	1	3	12	53	73	58	49	19	20	10	15	15	19	15	18
	W	191	3	1	1	1	3	3	24	31	34	33	10	13	7	8	6	5	4	6
	M	67	1	1	2			5	5	1	2	4	1	5	1	4	4	12	5	8
	F	116	3					7	24	36	18	11	7	2	5	2	3	2	2	4

(continued)

TABLE 41 - RESIDENT DEATHS BY AGE BY CAUSE, RACE AND SEX, VIRGINIA, 1988 (continued)

CAUSE OF DEATH	Race/ Sex	All Ages	AGE (in years)																			80- 84	85+	Unk.
			Under 1	1-4	5-9	10- 14	15- 19	20- 24	25- 29	30- 34	35- 39	40- 44	45- 49	50- 54	55- 59	60- 64	65- 69	70- 74	75- 79					
Malignant neoplasms (140-208)	Total	11,088		17	14	11	11	29	44	101	161	252	399	633	1,004	1,435	1,823	1,695	1,514	1,036	907	2		
	W M	4,659	7	8	5	5	12	14	33	38	61	140	259	460	670	806	765	627	416	314	1			
	W F	3,988	6	6	4	4	11	14	35	82	108	158	204	318	466	586	572	551	430	433				
	Nw M	1,434	2	1	2	2	4	9	16	12	27	46	109	132	181	272	213	216	101	91				
1. Lip, oral cavity and pharynx (140-149)	Total	1,007	2				2	7	17	29	36	55	61	94	118	159	145	120	89	69	1			
	W M	190								3	2	11	10	22	44	26	27	24	7	14				
	W F	107								1	2	5	4	15	30	16	14	14	4	5				
	Nw M	35								2	2	1	1	5	6	7	3	3	3	6				
2. Digestive organs and peritoneum (150-159)	Total	2,511		1	1			4	7	16	26	41	75	141	199	293	401	387	363	276	280			
	W M	981		1	1				2	6	11	19	29	56	95	124	179	150	134	90	85			
	W F	924						3	2	1	6	14	25	30	55	91	125	142	142	132	156			
	Nw M	331						1	3	5	3	2	7	33	29	48	54	51	52	29	14			
3. Respiratory and intra- thoracic organs (160-165)	Total	275								4	6	6	14	22	20	30	43	44	35	25	25			
	W M	3,332						2	1	9	17	46	110	216	365	540	645	577	434	238	130	1		
	W F	1,767		1	1			2	4	4	6	12	51	113	211	295	333	322	219	132	63	1		
	Nw M	847						1	2	8	17	29	51	78	131	137	131	129	71	42	20			
4. Breast (174-175)	Total	535								2	2	14	22	38	58	79	122	90	61	27	20			
	W M	183								1	1	3	8	14	18	35	31	34	25	8	5			
	W F	976							6	15	42	51	74	74	106	119	130	118	91	86	64			
	Nw M	2							4	12	29	36	56	62	85	104	100	101	73	74	53			
5. Genital organs (179-187)	Total	787								2	3	13	14	19	10	21	15	30	17	11	11			
	W M	183								3	12	18	19	25	37	59	116	195	215	230	146	1		
	W F	1,232						1	1	2	6	2	1	6	7	39	77	104	106	80	79			
	Nw M	375							1	6	12	12	17	26	33	48	60	53	52	26	29			
6. Urinary organs (188-189)	Total	237								1	4	6	4	6	2	12	13	17	13	16	13	7	1	
	W M	115								1	4	6	4	6	2	12	13	17	13	16	13	7	1	
	W F	397								3	2	1	2	4	27	39	47	60	61	52	53	44		
	Nw M	206								2	2	1	2	3	15	19	34	36	35	27	21	14		
7. Other and unspecified sites (170-173, 190-199)	Total	120								2	2	1	1	6	9	6	12	19	17	23	23			
	W M	37												4	5	7	7	3	4	4	3	4		
	W F	34								1			2	2	6	3	5	4	4	5	4			
	Nw M	1,496							16	25	31	56	67	89	144	189	227	190	175	124	139			
8. Leukemia (204-208)	Total	666		4	1	1		8	7	10	15	29	39	43	75	97	106	82	62	51	40			
	W M	555		3	3	1		3	3	8	14	19	18	19	38	56	81	78	78	50	82			
	W F	147		1					4	3	3	3	4	19	20	22	21	13	23	15	5			
	Nw M	128			1			1	2	4	1	5	6	8	11	14	19	17	12	15	12			
	Total	367		7	6	5		7	5	9	12	17	13	20	21	27	50	42	45	40	33			
	W M	171		2	2	1		4	3	5	4	9	3	11	10	19	22	25	23	17	11			
	W F	134		2	3	3		4	1	3	4	4	5	5	10	5	20	12	17	17	18			
	Nw M	38		1	1	1		2	2	1	3	2	5	2	1	1	6	4	3	1	2			
	Total	24		2	2			1	1	1	1	2	2	2	1	2	2	2	2	2	2			
	W M	2																						
	W F	2																						
	Nw M	2																						

(continued)

TABLE 41 - RESIDENT DEATHS BY AGE BY CAUSE, RACE AND SEX, VIRGINIA, 1988 (continued)

CAUSE OF DEATH		Race/ Sex	All Ages	AGE (in years)																			Unk.
				Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	
9. Other neoplasms of lymphatic and hemato- poietic tissues (200-203)	Total		587																				
	W M		254																				
	W F		211																				
	M F		64																				
Benign neoplasms and neoplasms of unspecified nature (210-239)	Total		145																				
	W M		68																				
	W F		45																				
	M F		6																				
Diabetes mellitus (250)	Total		26																				
	W M		752																				
	W F		225																				
	M F		267																				
Nutritional deficiencies (260-269)	Total		108																				
	W M		152																				
	W F		65																				
	M F		5																				
Anemias (280-285)	Total		32																				
	W M		9																				
	W F		19																				
	M F		17																				
Meningitis (320-322)	Total		24																				
	W M		3																				
	W F		6																				
	M F		8																				
Major cardiovascular diseases (390-448)	Total		20,748																				
	W M		7,998																				
	W F		8,249																				
	M F		2,261																				
1. Diseases of heart (390-398, 402, 404-429)	Total		2,234																				
	W M		16,143																				
	W F		6,599																				
	M F		1,616																				
a. Rheumatic fever and rheumatic heart disease (390-398)	Total		98																				
	W M		25																				
	W F		54																				
	M F		8																				

(continued)

(continued)

TABLE 41 - RESIDENT DEATHS BY AGE BY CAUSE, RACE AND SEX, VIRGINIA, 1968 (continued)

CAUSE OF DEATH			AGE (in years)																			Unk.
Race/ Sex	All Ages	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+		
b. Hypertensive heart disease (402)	Total	376																				
	W M	92																				
	W F	139																				
	N M	54																				
	N F	91																				
c. Hypertensive heart and renal disease (404)	Total	51																				
	W M	5																				
	W F	21																				
	N M	11																				
	N F	14																				
d. Ischemic heart disease (410-414)	Total	9,802																				
	W M	4,450																				
	W F	3,522																				
	N M	961																				
	N F	869																				
1. Acute myocardial infarction (410)	Total	5,134																				
	W M	2,442																				
	W F	1,800																				
	N M	459																				
	N F	433																				
11. Other ischemic heart disease (411-414)	Total	4,668																				
	W M	2,008																				
	W F	1,722																				
	N M	502																				
	N F	436																				
e. Other diseases of endocardium (424)	Total	268																				
	W M	96																				
	W F	125																				
	N M	27																				
	N F	20																				
f. All other forms of heart disease (415-423, 425-429)	Total	5,548																				
	W M	1,931																				
	W F	2,312																				
	N M	694																				
	N F	611																				
2. Hypertension (401, 403)	Total	163																				
	W M	33																				
	W F	51																				
	N M	26																				
	N F	53																				
3. Cerebrovascular diseases (430-438)	Total	3,516																				
	W M	1,013																				
	W F	1,636																				
	N M	402																				
	N F	465																				

(continued)

TABLE 41 - RESIDENT DEATHS BY AGE BY CAUSE, RACE AND SEX, VIRGINIA, 1988 (continued)

CAUSE OF DEATH	Race/ Sex	All Ages	AGE (in years)																			80- 84	85+	Unk.			
			Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75-79								
4. Atherosclerosis (440)	Total	411																									
	W M	112																									
	W F	214																									
	N M	31																									
5. Other diseases of arteries, arterioles, and capillaries (441-448)	Total	515																									
	W M	241																									
	W F	175																									
	N M	53																									
Acute bronchitis and bron- chiolitis (466)	Total	46																									
	W M	10																									
	W F	7																									
	N M	1																									
Pneumonia and influenza (480-487)	Total	1,736	9	3		1	1	2	3	11	14	15	26	21	35	58	96	175	244	310	712						
	W M	678	4	1		1	1	1	2	4	5	7	11	7	15	28	46	88	112	133	215						
	W F	772	1	1		1	1	1	1	2	5	8	15	14	20	30	52	89	134	141	415						
	N M	169	1	1		1	1	1	1	2	5	5	6	5	11	9	14	20	29	23	36						
Chronic obstructive pulmonary diseases (490-496)	Total	1,641	3	1	3	1	1		4	1	3	8	18	34	79	144	275	297	354	229	191						
	W M	828		1	2	1	1		1	1	1	2	9	14	38	65	145	163	193	114	80						
	W F	627							1	1	1	3	7	14	29	55	92	98	134	94	98						
	N M	126			1				2		1	2	1	2	6	11	32	26	23	16	8						
Ulcer of stomach and duodenum (531-533)	Total	128	1		1				1	1	1	2	4	3	4	9	11	20	22	24	25						
	W M	43			1					1	1	2	4	3	1	5	5	7	9	17	16						
	W F	64	1									2	2	1	3	1	2	9	12	17	2						
	N M	12							1		1	1	1		2	2	3	1	1	1	2						
Appendicitis (540-543)	Total	8													1			1	1	1	2						
	W M	5																1	1	1	1						
	W F	2																1	1	1	1						
	N M	1																									
Hernia and intestinal obstruction (550-553, 567)	Total	98	6	2												4	3	12	15	20	33						
	W M	19														1	2	6	7	10	18						
	W F	47	2	1												1	1	3	2	3	5						
	N M	19	1	1												2	1	1	2	2	3						
Chronic liver disease and cirrhosis (571)	Total	546							3	5	17	44	51	58	60	84	67	60	45	13	7						
	W M	289						1	2	9	14	27	32	35	32	47	37	32	15	4	2						
	W F	140						1	2	1	3	4	8	13	13	21	21	20	15	5	4						
	N M	69						1	1	1	7	5	3	9	12	9	5	5	3	3	1						

(continued)

TABLE 41 - RESIDENT DEATHS BY AGE BY CAUSE, RACE AND SEX, VIRGINIA, 1988 (continued)

CAUSE OF DEATH	Race/ Sex	All Ages	AGE (in years)																			85+	Unk.
			Under 1	1-4	5-9	10- 14	15- 19	20- 24	25- 29	30- 34	35- 39	40- 44	45- 49	50- 54	55- 59	60- 64	65- 69	70- 74	75- 79	80- 84			
Cholelithiasis and other disorders of gall bladder (574-575)	Total	56																					
	W M	15																					
	W F	28																					
	Nw F	7																					
Nephritis, nephrotic syndrome, and nephrosis (580-589)	Total	442	4	1			1	1	4	3		4	6	7	11	26	43	60	77	68	126		
	W M	147	1				1	1	1			1	3	1	3	9	12	24	32	24	35		
	W F	148	1	1				3	2			1	2	4	2	6	10	15	20	26	62		
	Nw F	57	1				1					1	1	1	3	4	8	6	15	5	5		
Infections of kidney (590)	Total	90	1						1	2		2	1	1	3	7	13	15	10	13	24		
	W M	28										2					1	3	5	2	8		
	W F	6										1	1	1				2	1	2	5		
	Nw F	14										1	1	1				2	3	2	9		
Hyperplasia of prostate (600)	Total	6																					
	W M	5																					
	W F	1																					
	Nw F																						
Complications of pregnancy, childbirth, and the puerperium (630-676)	Total	10				2	1	2	1	4													
	W M	5					1	1	1	2													
	W F	5				2		1	1	2													
	Nw F																						
Congenital anomalies (740-759)	Total	294	186	7	5	7	8	5	7	7	3	5	5	1	3	8	3	7	5	6	2		
	W M	105	68	6	1	1	4	1	1	1	2	2	1	1	2	2	2	2	2	5	2		
	W F	118	71	3	1	3	4	3	3	5	2	2	1	1	1	4	1	2	3	5	2		
	Nw F	42	26	3	1	1	2	1	1	1						1		3		1			
Certain conditions originating in the perinatal period (760-779)	Total	481	479	2																			
	W M	146	144	2																			
	W F	99	99																				
	Nw F	141	141																				
Symptoms and ill-defined conditions (780-799)	Total	503	129	6			1	3	5	11	5	6	9	13	5	21	28	37	33	42	138		
	W M	174	46	4				2	4	3	1	1	4	5	1	13	14	20	13	17	22		
	W F	199	34	2			1	1	3	2	2	2	3	3	2	6	9	12	12	20	90		
	Nw F	72	30				1	1	1	2	2	3	2	2	2	1	4	3	3	4	12		
All other diseases (Residual)	Total	4,026	52	22	11	9	12	23	39	51	72	80	107	133	195	272	359	446	598	579	963	3	
	W M	1,428	15	8	5	4	6	9	10	20	23	35	35	52	89	116	151	195	222	199	234	1	
	W F	1,664	15	10	4	1	3	7	11	18	13	14	27	32	47	82	123	143	234	290	569	1	
	Nw F	511	14	2	1	2	1	3	6	8	24	19	29	37	40	42	50	58	76	43	55	1	
All other diseases (Residual)	Total	423	8	2	1	2	4	12	5	12	12	12	16	12	19	32	35	50	66	47	85	1	
	W M																						
	W F																						
	Nw F																						

(continued)

(continued)

TABLE 41 - RESIDENT DEATHS BY AGE BY CAUSE, RACE AND SEX, VIRGINIA, 1988 (continued)

CAUSE OF DEATH	Race/ Sex	All Ages	Under 1	AGE (in years)																85+	Unk.	
				1-4	5-9	10-	15-	20-	25-	30-	35-	40-	45-	50-	55-	60-	65-	70-	75-			80-
Accidents (E800-E949)	Total	2,212	23	45	37	39	174	239	177	174	114	145	101	94	87	121	122	109	125	106	179	1
	W M	1,140	7	15	12	23	102	155	110	110	65	78	55	48	37	59	61	54	50	52	47	
	W F	507	5	13	12	6	36	33	19	17	14	24	17	18	17	24	33	24	45	41	109	
	M F	418	6	10	8	6	32	42	35	40	25	36	23	22	26	26	20	20	19	7	14	1
	M F	147	5	7	5	4	4	9	13	7	10	7	6	6	7	12	8	11	11	6	9	
1. Motor vehicle accidents (E810-E825)	Total	1,020	5	17	16	25	137	185	118	89	59	72	46	31	43	40	40	37	32	18	10	
	W M	569	1	5	8	14	78	123	73	60	31	37	26	14	16	18	17	17	17	11	3	
	W F	216	3	7	4	5	34	28	16	11	7	15	12	10	12	11	9	11	9	6	6	
	M F	172	1	2	2	3	22	28	19	14	15	14	6	5	10	9	9	7	5	1	1	
	M F	63	1	3	2	3	3	6	10	4	6	6	2	2	5	2	5	2	1			
2. Home accidents (Home) E850-E949)	Total	426	17	24	12	5	9	18	16	30	17	27	22	27	14	40	26	24	31	28	39	
	W M	176	6	10	1	4	4	7	7	16	7	10	8	14	3	18	14	13	11	10	11	
	W F	102	2	3	5	1	1	3	1	2	4	6	4	5	3	8	7	3	12	13	20	
	M F	106	6	7	4	1	3	5	5	9	5	10	8	7	6	8	3	3	6	4	6	
	M F	42	3	4	2	1	3	3	3	1	1	2	2	1	2	6	2	2	3	2	2	
3. All other accidents (E800-E807, E826-E849, (Other) E850-E949)	Total	766	1	4	9	9	28	36	43	55	38	46	33	36	30	41	56	48	62	60	130	1
	W M	395			3	5	20	25	30	34	27	31	21	20	18	23	30	22	22	31	33	
	W F	189		3	3	1	1	2	2	4	3	3	1	3	2	5	17	10	24	22	83	
	M F	140		1	2	2	7	9	11	17	5	12	9	10	10	9	8	10	8	22	7	1
	M F	42	1	1	1	1	1	1	1	1	3	2	2	3	4	4	1	6	8	5	7	
Suicide (E950-E959)	Total	756				4	54	60	104	86	72	60	54	49	37	58	30	41	26	14	7	
	W M	523					41	43	70	55	50	39	33	29	28	40	23	33	23	10	6	
	W F	166			3	8	7	19	16	11	11	14	18	13	8	14	5	5	1	3	1	
	M F	70			1	4	8	10	14	7	5	2	2	7	1	4	2	3	1	1	1	
	M F	17				1	1	2	5	1	4	2	1	1	1	4	2	3	1	1	1	
Homicide and legal inter- vention (E960-E978)	Total	496	9	8		1	41	86	100	70	43	37	22	17	20	13	14	6	1	4	4	
	W M	133	1	1		1	10	26	18	14	16	10	10	9	4	7	4	1	1	1	2	
	W F	77	2	3		1	6	10	10	9	8	9	3	1	4	2	4	3	1	4	1	
	M F	220	3	2			20	41	55	34	15	15	8	5	10	3	4	3	1	1	1	
	M F	66	3	2			5	9	17	13	4	3	1	2	2	1	2	1	1	1	1	
Other external causes (E980-E999)	Total	27	1	2	1	1	1	3	1	6	2	5	2	2	1	2	2					
	W M	13					1	1	1	1	2	2	1	1	1	1	1					
	W F	7	1	1																		
	M F	5	1																			

TABLE 42 - FIVE LEADING CAUSES OF DEATH IN SPECIFIED AGE GROUPS BY RACE, VIRGINIA, 1988

AGE AT DEATH	TOTAL		WHITE		NONWHITE	
	Number	Percent	Number	Percent	Number	Percent
Total Deaths <u>All Causes</u>	<u>47,557</u>	<u>100.0</u>	<u>36,734</u>	<u>100.0</u>	<u>10,823</u>	<u>100.0</u>
Diseases of Heart (390-398,402,404-429)	16,143	33.9	12,772	34.8	3,371	31.1
Malignant Neoplasms (140-208)	11,088	23.3	8,647	23.5	2,441	22.6
Cerebrovascular Diseases (430-438)	3,516	7.4	2,649	7.2	867	8.0
All Accidents (E800-E949)	2,212	4.7	1,647	4.5	565	5.2
Pneumonia and Influenza (480-487)	1,736	3.7	1,450	3.9	286	2.6
All Other Causes	12,862	27.0	9,569	26.0	3,293	30.4
Under 1 Year <u>All Causes</u>	<u>965</u>	<u>100.0</u>	<u>549</u>	<u>100.0</u>	<u>416</u>	<u>100.0</u>
Certain Conditions Originating in the Perinatal Period (760-779)	479	49.6	243	44.3	236	56.7
Congenital Anomalies (740-759)	186	19.3	139	25.3	47	11.3
Diseases of Heart (390-398,402,404-429)	26	2.7	14	2.6	12	2.9
All Accidents (E800-E949)	23	2.4	12	2.2	11	2.6
Septicemia (038)	13	1.3	3	0.5	10	2.4
All Other Causes	238	24.7	138	25.1	100	24.0
1-4 Years <u>All Causes</u>	<u>157</u>	<u>100.0</u>	<u>107</u>	<u>100.0</u>	<u>50</u>	<u>100.0</u>
All Accidents (E800-E949)	45	28.7	28	26.2	17	34.0
Congenital Anomalies (740-759)	18	11.5	13	12.1	5	10.0
Malignant Neoplasms (140-208)	17	10.8	13	12.1	4	8.0
Diseases of Heart (390-398,402,404-429)	11	7.0	4	3.7	7	14.0
Homicide and Legal Intervention (E960-E978)	8	5.1	4	3.7	4	8.0
All Other Causes	58	36.9	45	42.1	13	26.0
5-14 Years <u>All Causes</u>	<u>177</u>	<u>100.0</u>	<u>133</u>	<u>100.0</u>	<u>44</u>	<u>100.0</u>
All Accidents (E800-E949)	76	42.9	53	39.8	23	52.3
Malignant Neoplasms (140-208)	25	14.1	23	17.3	2	4.5
Congenital Anomalies (740-759)	15	8.5	12	9.0	3	6.8
Diseases of Heart (390-398,402,404-429)	12	6.8	10	7.5	2	4.5
Chronic Obstructive Pulmonary Diseases (490-496)	4	2.3	3	2.3	1	2.3
Suicide (E950-E959)	4	2.3	3	2.3	1	2.3
All Other Causes	41	23.2	29	21.8	12	27.3
15-24 Years <u>All Causes</u>	<u>846</u>	<u>100.0</u>	<u>602</u>	<u>100.0</u>	<u>244</u>	<u>100.0</u>
All Accidents (E800-E949)	413	48.8	326	54.2	87	35.7
Homicide and Legal Intervention (E960-E978)	127	15.0	52	8.6	75	30.7
Suicide (E950-E959)	114	13.5	99	16.4	15	6.1
Malignant Neoplasms (140-208)	40	4.7	30	5.0	10	4.1
Diseases of Heart (390-398,402,404-429)	37	4.4	22	3.7	15	6.1
All Other Causes	115	13.6	73	12.1	42	17.2
25-44 Years <u>All Causes</u>	<u>3,084</u>	<u>100.0</u>	<u>2,030</u>	<u>100.0</u>	<u>1,054</u>	<u>100.0</u>
All Accidents (E800-E949)	610	19.8	437	21.5	173	16.4
Malignant Neoplasms (140-208)	558	18.1	405	20.0	153	14.5
Diseases of Heart (390-398,402,404-429)	409	13.3	260	12.8	149	14.1
Suicide (E950-E959)	322	10.4	274	13.5	48	4.6
Homicide and Legal Intervention (E960-E978)	250	8.1	94	4.6	156	14.8
All Other Causes	935	30.3	560	27.6	375	35.6
45-64 Years <u>All Causes</u>	<u>9,619</u>	<u>100.0</u>	<u>7,046</u>	<u>100.0</u>	<u>2,573</u>	<u>100.0</u>
Malignant Neoplasms (140-208)	3,471	36.1	2,675	38.0	796	30.9
Diseases of Heart (390-398,402,404-429)	2,962	30.8	2,178	30.9	784	30.5
Cerebrovascular Diseases (430-438)	481	5.0	293	4.2	188	7.3
All Accidents (E800-E949)	403	4.2	275	3.9	128	5.0
Chronic Obstructive Pulmonary Diseases (490-496)	275	2.9	231	3.3	44	1.7
All Other Causes	2,027	21.1	1,394	19.8	633	24.6
65-74 Years <u>All Causes</u>	<u>11,350</u>	<u>100.0</u>	<u>8,703</u>	<u>100.0</u>	<u>2,647</u>	<u>100.0</u>
Diseases of Heart (390-398,402,404-429)	4,053	35.7	3,131	36.0	922	34.8
Malignant Neoplasms (140-208)	3,518	31.0	2,729	31.4	789	29.8
Cerebrovascular Diseases (430-438)	694	6.1	471	5.4	223	8.4
Chronic Obstructive Pulmonary Diseases (490-496)	572	5.0	498	5.7	74	2.8
Pneumonia and Influenza (480-487)	271	2.4	216	2.5	55	2.1
All Other Causes	2,242	19.8	1,658	19.1	584	22.1
75 and Over <u>All Causes</u>	<u>21,350</u>	<u>100.0</u>	<u>17,561</u>	<u>100.0</u>	<u>3,789</u>	<u>100.0</u>
Diseases of Heart (390-398,402,404-429)	8,630	40.4	7,152	40.7	1,478	39.0
Malignant Neoplasms (140-208)	3,457	16.2	2,771	15.8	686	18.1
Cerebrovascular Diseases (430-438)	2,239	10.5	1,824	10.4	415	11.0
Pneumonia and Influenza (480-487)	1,266	5.9	1,105	6.3	161	4.2
Chronic Obstructive Pulmonary Diseases (490-496)	774	3.6	713	4.1	61	1.6
All Other Causes	4,984	23.3	3,996	22.8	988	26.1
Age Unknown <u>All Causes</u>	<u>2</u>		<u>3</u>		<u>6</u>	

TABLE 43
RESIDENT ACCIDENTAL DEATHS BY AGE, BY TYPE OF ACCIDENT
VIRGINIA, 1988

Type of Accident	Total	AGE (in years)													85 & Over	Unknown
		Under 1	1-4	5-9	10-14	15-19	20-24	25-34	35-44	45-54	55-64	65-74	75-84			
TOTAL DEATHS DUE TO ACCIDENTS	2,212	23	45	37	39	174	239	351	259	195	208	231	231	179	1	
Railway (E800-E807)	9			1		1	2	2	2			1				
Motor vehicle (E810-E825)	1,070	5	17	16	25	137	185	207	131	77	83	77	50	10		
Other road vehicle (E826-E829)	1							1								
Water transport (E830-E838)	25		1		1	1	2	9	3	3	4	1				
Aircraft (E840-E845)	18							6	6	5		1				
Off the road vehicle (E846-E848)	1							1								
Poisoning by drugs (E850-E858)	105		1			2	8	43	22	6	5	11		7		
Poisoning by other solids and liquids (E860-E866)	39				1		2	7	8	9	9	3				
Poisoning by gases and vapors (E867-E869)	10		1			1	1	1	2	2	1	2	1			
Surgical and medical misadventures and complications (E870-E879)	38							1	1	1	4	9	14	9		
Falls (E880-E888)	314	1	2	1	2	2	5	17	21	19	26	38	89	91		
Fires (E890-E899)	145	3	10	10		3	10	13	10	23	21	23	12	6		
Excessive heat or cold or exposure (E900-E904)	47	1		1				1	2	10	12	11	6	3		
Insects and animals (E905-E906)	3											2	1			
Lightning (E907)	3					1		1	1							
Drowning and submersion (E910)	96	4	10	5	4	16	10	12	14	5	6	3	5	2		
Suffocation from inhaled or ingested object (E911-E912)	136	2	1	2		1	2	1	6	10	12	27	35	37		
Mechanical suffocation (E913)	20	7	1		2	1	1	4	2	1	1	1	1			
Falling or projected object or caught between objects (E916-E918)	28				1	1	2	5	6	7	4	2	2			
Machinery (E919)	44					1	2	8	7	5	7	9	4	1		
Cutting and piercing instruments or objects (E920)	2						1	1								
Explosion of pressure vessel (E921)	1								1				1			
Firearms (E922)	28			1	3	6	1	4	3	3	5	1				
Explosive materials (E923)	5					1	1	2	1	1				3		
Hot substance, corrosive material, steam (E924)	5		1													
Electric current (E925)	14						2	2	5	2	1	2				
Other and unspecified environmental causes (E928)	28					1	2	3	3	3	3	5	8	3		
Late effects (E929)	21							3	2	2	3	1	4	6		
Drugs causing adverse effects in therapeutic use (E930-E949)	6								2	2		1		1		

TABLE 44
RESIDENT HOME ACCIDENTAL DEATHS BY AGE, BY TYPE OF ACCIDENT
VIRGINIA, 1988
(Included in tabulation of all accidental deaths)

Type of Accident	Total	AGE (in years)													
		Under 1	1-4	5-9	10- 14	15- 19	20- 24	25- 34	35- 44	45- 54	55- 64	65- 74	75- 84	85 & Over	
TOTAL DEATHS DUE TO ACCIDENTS	435	17	27	12	6	9	19	47	44	49	54	53	59	39	
Motor vehicle (E810-E825)	8		3		1		1					3			
Other road vehicle (E826-E829)	1							1							
Poisoning by drugs (E850-E858)	44		1				4	21	9	3	3	3			
Poisoning by other solids and liquids (E860-E866)	25				1		1	5	3	5	7	3			
Poisoning by gases and vapors (E867-E869)	3						1				1	1			
Falls (E880-E888)	121	1	2			1		5	11	13	10	14	36	28	
Fires (E890-E899)	133	3	10	10		3	9	11	9	19	20	21	12	6	
Excessive heat or cold or exposure (E900-E904)	12	1							2	2	4	1	1	1	
Insects and animals (E905-E906)	2											2	2		
Drowning and submersion (E910)	23	4	8	1		1	1	1	2	1	1	2	2	1	
Suffocation from inhaled or ingested object (E911-E912)	12	1	1						1	1	1	1	4	2	
Mechanical suffocation (E913)	14	7	1		2		1		2	1	1	1			
Falling or projected object or caught between objects (E914-E918)	4							1	1	1	1	2	1		
Machinery (E919)	6								1	1	1	2			
Cutting and piercing instruments or objects (E920)	1						1								
Firearms (E922)	17			1	2	4		1	3	2	4			1	
Hot substance, corrosive material, steam (E924)	2		1												
Electric current (E925)	3							1		1	1	1	1	2	
Other and unspecified environmental causes (E928)	2														
Late effects (E929)	2														

TABLE 45
DEATHS BY PLACE OF OCCURRENCE AND PLACE OF RESIDENCE
BY RACE BY CAUSE, VIRGINIA, 1988

Cause of Death	STATE OF VIRGINIA					
	Place of Occurrence			Place of Residence		
	Total	White	Nonwhite	Total	White	Nonwhite
ALL CAUSES	46,903	36,084	10,819	47,557	36,734	10,823
1 Shigellosis and amebiasis 004-006						
2 Certain other intestinal infections .. 007-009	8	5	3	6	3	3
3 Tuberculosis, all forms 010-018	37	18	19	37	19	18
4 Whooping cough 033						
5 Streptococcal sore throat, scarlatina and erysipelas 034-035						
6 Meningococcal infection 036	11	7	4	11	7	4
7 Septicemia 038	639	440	199	640	442	198
8 Acute poliomyelitis 045	1	1		1	1	
9 Measles 055						
10 Viral hepatitis 070	22	19	3	27	22	5
11 Syphilis 090-097	3	1	2	3	1	2
12 Other infectious & parasitic diseases Residual of 001-139	382	235	147	409	258	151
13 Malignant neoplasms 140-208	10,808	8,391	2,417	11,088	8,647	2,441
14 Lip, oral cavity and pharynx 140-149	185	135	50	190	142	48
15 Digestive organs and peritoneum 150-159	2,447	1,848	599	2,511	1,905	606
16 Respiratory & intrathoracic organs . 160-165	3,272	2,557	715	3,332	2,614	718
17 Breast 174-175	942	760	182	976	789	187
18 Genital organs 179-187	1,216	859	357	1,232	880	352
19 Urinary organs 188-189	388	319	69	397	326	71
20 Other & unspecified sites .. 170-173, 190-199	1,459	1,193	266	1,496	1,221	275
21 Leukemia 204-208	343	285	58	367	305	62
22 Other neoplasms of lymphatic and hematopoietic tissues 200-203	556	435	121	587	465	122
23 Benign neoplasms and neoplasms of unspecified nature 210-239	143	111	32	145	113	32
24 Diabetes mellitus 250	746	486	260	752	492	260
25 Nutritional deficiencies 260-269	67	39	28	65	37	28
26 Anemias 280-285	92	63	29	97	66	31
27 Meningitis 320-322	24	9	15	24	9	15
28 Major cardiovascular diseases 390-448	20,592	16,080	4,512	20,748	16,247	4,501
29 Diseases of heart 390-398, 402, 404-429	16,052	12,673	3,379	16,143	12,772	3,371
30 Rheumatic fever and rheumatic heart disease 390-398	93	75	18	98	79	19
31 Hypertensive heart disease 402	369	227	142	376	231	145
32 Hypertensive heart & renal disease ... 404	53	26	27	51	26	25
33 Ischemic heart disease 410-414	9,752	7,913	1,839	9,802	7,972	1,830
34 Acute myocardial infarction 410	5,058	4,176	882	5,134	4,242	892
35 Other ischemic heart disease ... 411-414	4,694	3,737	957	4,668	3,730	938
36 Other diseases of endocardium 424	262	217	45	268	221	47
37 All other forms of heart disease 415-423, 425-429	5,523	4,215	1,308	5,548	4,243	1,305
38 Hypertension 401, 403	163	83	80	163	84	79
39 Cerebrovascular diseases. 430-438	3,490	2,616	874	3,516	2,649	867
40 Atherosclerosis 440	406	322	84	411	326	85
41 Other diseases of arteries, arterioles, and capillaries 441-448	481	386	95	515	416	99
42 Acute bronchitis and bronchiolitis 466	9	8	1	10	9	1
43 Pneumonia and influenza 480-487	1,708	1,428	280	1,736	1,450	286
44 Chronic obstructive pulmonary diseases 490-496	1,619	1,431	188	1,641	1,455	186
45 Ulcer of stomach and duodenum 531-533	130	106	24	128	107	21
46 Appendicitis 540-543	8	7	1	8	7	1
47 Hernia & intestinal obstruction .. 550-553, 560	97	64	33	98	66	32
48 Chronic liver disease and cirrhosis 571	526	408	118	546	429	117
49 Cholelithiasis and other disorders of gall bladder 574-575	53	41	12	56	43	13
50 Nephritis, nephrotic syndrome, and nephrosis 580-589	418	277	141	442	295	147
51 Infections of kidney 590	30	22	8	28	20	8
52 Hyperplasia of prostate 600	6	5	1	6	5	1
53 Complications of pregnancy, childbirth, and the puerperium 630-676	10	5	5	10	5	5
54 Congenital anomalies 740-759	259	194	65	294	223	71
55 Certain conditions originating in the perinatal period 760-779	458	220	238	481	245	236
56 Symptoms and ill-defined conditions .. 780-799	478	354	124	503	373	130
57 All other diseases Residual	3,958	3,023	935	4,026	3,092	934
58 Accidents E800-E949	2,301	1,709	592	2,212	1,647	565
59 Motor vehicle accidents E810-E825	1,096	828	268	1,020	785	235
60 Home accidents (Home) E850-E949	420	278	142	426	278	148
61 All other accidents E800-E807, E826-E849 (Other) E850-E949	785	603	182	766	584	182
62 Suicide E950-E959	749	664	85	756	669	87
63 Homicide and legal intervention E960-E978	487	197	290	496	210	286
64 Other external causes E980-E999	24	16	8	27	20	7

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1988
PLANNING DISTRICT 1

Cause of Death	Planning District 1			Lee		Scott		Wise		Horton	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	1,026	1,014	12	273	1	278		419	7	46	4
1 Shigellosis and amebiasis 004-006											
2 Certain other intestinal infections .. 007-009											
3 Tuberculosis, all forms 010-018	1	1						1			
4 Whooping cough 033											
5 Streptococcal sore throat, scarlatina and erysipelas 034-035											
6 Meningococcal infection 036											
7 Septicemia 038	13	13		4		3		6			
8 Acute poliomyelitis 045											
9 Measles 055											
10 Viral hepatitis 070											
11 Syphilis 090-097											
12 Other infectious & parasitic diseases											
..... Residual of 001-139	3	3				2		1			
13 Malignant neoplasms 140-208	250	247	3	70	1	64		104		9	2
14 Lip, oral cavity and pharynx 140-149	2	2						2			
15 Digestive organs and peritoneum 150-159	59	58	1	19		15		23		1	1
16 Respiratory & intrathoracic organs .. 160-165	74	74		20		24		27		3	
17 Breast 174-175	19	19		4		6		9			
18 Genital organs 179-187	35	34	1	12		5		13		4	1
19 Urinary organs 188-189	9	9		3		2		4			
20 Other & unspecified sites .. 170-173,190-199	31	30	1	7	1	9		14			
21 Leukemia 204-208	10	10				1		8		1	1
22 Other neoplasms of lymphatic and hematopoietic tissues 200-203	11	11		5		2		4			
23 Benign neoplasms and neoplasms of unspecified nature 210-239	3	3		2				1			
24 Diabetes mellitus 250	14	14		2		3		8		1	
25 Nutritional deficiencies 260-269											
26 Anemias 280-285	1	1						1			
27 Meningitis 320-322											
28 Major cardiovascular diseases 390-448	449	444	5	118		127		186	3	13	2
29 Diseases of heart 390-398,402,404-429	372	369	3	98		105		156	3	10	
30 Rheumatic fever and rheumatic heart disease 390-398	2	2						2			
31 Hypertensive heart disease 402	6	6		2		2		2			
32 Hypertensive heart & renal disease ... 404	1	1				1					
33 Ischemic heart disease 410-414	234	232	2	57		79		87	2	9	
34 Acute myocardial infarction 410	143	142	1	39		42		57	1	4	
35 Other ischemic heart disease ... 411-414	91	90	1	18		37		30	1	5	
36 Other diseases of endocardium 424	5	5		1		1		3			
37 All other forms of heart disease 415-423,425-429	124	123	1	38		22		62	1	1	
38 Hypertension 401,403	5	4	1					3		1	1
39 Cerebrovascular diseases. 430-438	51	50	1	10		15		23		2	1
40 Atherosclerosis 440	11	11		4		4		3			
41 Other diseases of arteries, arterioles, and capillaries 441-448	10	10		6		3		1			
42 Acute bronchitis and bronchiolitis 466											
43 Pneumonia and influenza 480-487	55	52	3	12		16		17	3	7	
44 Chronic obstructive pulmonary diseases 490-496	36	36		8		12		15		1	
45 Ulcer of stomach and duodenum 531-533	5	5				4		1			
46 Appendicitis 540-543											
47 Hernia & intestinal obstruction .. 550-553,560	2	2						2			
48 Chronic liver disease and cirrhosis 571	11	10	1	4		2		3	1	1	
49 Cholelithiasis and other disorders of gall bladder 574-575	1	1						1			
50 Nephritis, nephrotic syndrome, and nephrosis 580-589	6	6		1		4				1	
51 Infections of kidney 590											
52 Hyperplasia of prostate 600											
53 Complications of pregnancy, childbirth, and the puerperium 630-676	1	1						1			
54 Congenital anomalies 740-759	7	7				3		4			
55 Certain conditions originating in the perinatal period 760-779	6	6				2		3		1	
56 Symptoms and ill-defined conditions .. 780-799	4	4				1		3			
57 All other diseases Residual	88	88		23		21		38		6	
58 Accidents E800-E949	51	51		22		10		15		4	
59 Motor vehicle accidents E810-E825	26	26		11		5		6		4	
60 Home accidents (Home) E850-E949	14	14		8		1		5			
61 All other accidents E800-E807,E826-E849 (Other) E850-E949	11	11		3		4		4			
62 Suicide E950-E959	15	15		5		4		6			
63 Homicide and legal intervention E960-E978	4	4		2				2			
64 Other external causes E980-E999											

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1988
PLANNING DISTRICT 2

Cause of Death	Planning District 2			Buchanan		Dickenson		Russell		Tasewell	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	1,195	1,168	27	258	1	186	1	254	4	470	21
1 Shigellosis and amebiasis 004-006											
2 Certain other intestinal infections .. 007-009											
3 Tuberculosis, all forms 010-018	2	2						1		1	
4 Whooping cough 033											
5 Streptococcal sore throat, scarlatina and erysipelas 034-035											
6 Meningococcal infection 036	1	1				1					
7 Septicemia 038	9	8	1	1		1		3		3	1
8 Acute poliomyelitis 045											
9 Measles 055											
10 Viral hepatitis 070											
11 Syphilis 090-097											
12 Other infectious & parasitic diseases											
..... Residual of 001-139	3	3		1						2	
13 Malignant neoplasms 140-208	252	247	5	55	1	38		45	1	109	3
14 Lip, oral cavity and pharynx 140-149	5	5		1		1				3	
15 Digestive organs and peritoneum 150-159	50	49	1	12	1	9		6		22	
16 Respiratory & intrathoracic organs . 160-165	85	83	2	10		13		21		39	2
17 Breast 174-175	27	26	1	10		3		2		11	1
18 Genital organs 179-187	24	24		5		4		5		10	
19 Urinary organs 188-189	6	6		2		1		1		2	
20 Other & unspecified sites .. 170-173, 190-199	39	39		11		7		8		13	
21 Leukemia 204-208	4	4		1				1		2	
22 Other neoplasms of lymphatic and hematopoietic tissues 200-203	12	11	1	3				1	1	7	
23 Benign neoplasms and neoplasms of unspecified nature 210-239	2	2		1				1			
24 Diabetes mellitus 250	21	19	2	5		2		6	1	6	1
25 Nutritional deficiencies 260-269	1	1								1	
26 Anemias 280-285	1	1								1	
27 Meningitis 320-322											
28 Major cardiovascular diseases 390-448	544	533	11	107		89	1	128	2	209	8
29 Diseases of heart 390-398, 402, 404-429	458	449	9	94		72	1	108	1	175	7
30 Rheumatic fever and rheumatic heart disease 390-398	4	4		1		1				2	
31 Hypertensive heart disease 402	6	6		1		1		3		1	
32 Hypertensive heart & renal disease ... 404	2	2						1		1	
33 Ischemic heart disease 410-414	331	326	5	80		48		69		129	5
34 Acute myocardial infarction 410	202	198	4	58		40		24		76	4
35 Other ischemic heart disease ... 411-414	129	128	1	22		8		45		53	1
36 Other diseases of endocardium 424	3	2	1					1		1	1
37 All other forms of heart disease											
..... 415-423, 425-429	112	109	3	12		22	1	34	1	41	1
38 Hypertension 401-403											
39 Cerebrovascular diseases. 430-438	66	64	2	11		14		13	1	26	1
40 Atherosclerosis 440	1	1								1	
41 Other diseases of arteries, arterioles, and capillaries 441-448	19	19		2		3		7		7	
42 Acute bronchitis and bronchiolitis 466	1	1								1	
43 Pneumonia and influenza 480-487	49	48	1	13		7		12		16	1
44 Chronic obstructive pulmonary diseases 490-496	53	53		12		13		9		19	
45 Ulcer of stomach and duodenum 531-533	4	4		1				1		2	
46 Appendicitis 540-543											
47 Hernia & intestinal obstruction .. 550-553, 560	1	1				1					
48 Chronic liver disease and cirrhosis 571	8	8		2		1				5	
49 Cholelithiasis and other disorders of gall bladder 574-575	4	4		1		1		1		1	
50 Nephritis, nephrotic syndrome, and nephrosis 580-589	17	16	1	4		2		3		7	1
51 Infections of kidney 590	3	3								3	
52 Hyperplasia of prostate 600											
53 Complications of pregnancy, childbirth, and the puerperium 630-676											
54 Congenital anomalies 740-759	6	6				1		3		2	
55 Certain conditions originating in the perinatal period 760-779	2	2						1		1	
56 Symptoms and ill-defined conditions .. 780-799	11	10	1	2						8	1
57 All other diseases Residual	107	106	1	26		14		23		43	1
58 Accidents E800-E949	56	53	3	16		10		10		17	3
59 Motor vehicle accidents E810-E825	22	21	1	6		3		1		11	1
60 Home accidents (Home) E850-E949	10	8	2	4				3		1	2
61 All other accidents E800-E807, E826-E849 (Other) E850-E949	24	24		6		7		6		5	
62 Suicide E950-E959	27	26	1	6		5		5		10	1
63 Homicide and legal intervention E960-E978	10	10		5				2		3	
64 Other external causes E980-E999											

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1988
PLANNING DISTRICT 3

Cause of Death	Planning District 3			Bland		Carroll		Grayson		Smyth	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	1,939	1,882	57	65	3	266	1	184	7	361	3
1 Shigellosis and amebiasis 004-006											
2 Certain other intestinal infections .. 007-009											
3 Tuberculosis, all forms 010-018	1	1									
4 Whooping cough 033											
5 Streptococcal sore throat, scarlatina and erysipelas 034-035											
6 Meningococcal infection 036	1	1									
7 Septicemia 038	15	14	1			5		3			
8 Acute poliomyelitis 045											
9 Measles 055											
10 Viral hepatitis 070	1	1									
11 Syphilis 090-097											
12 Other infectious & parasitic diseases Residual of 001-139											
13 Malignant neoplasms 140-208	392	383	9	12		55		35	2	75	
14 Lip, oral cavity and pharynx 140-149	1	1									
15 Digestive organs and peritoneum 150-159	88	85	3	5		11		8		11	
16 Respiratory & intrathoracic organs . 160-165	126	122	4	1		17		7	1	27	
17 Breast 174-175	33	33				4		4		4	
18 Genital organs 179-187	41	39	2			8		3	1	11	
19 Urinary organs 188-189	22	22		3		2		3		8	
20 Other & unspecified sites .. 170-173, 190-199	45	45				7		7		6	
21 Leukemia 204-208	14	14		2		2		1		3	
22 Other neoplasms of lymphatic and hematopoietic tissues 200-203	22	22		1		4		2		5	
23 Benign neoplasms and neoplasms of unspecified nature 210-239	6	6				1				1	
24 Diabetes mellitus 250	25	23	2			2		4		3	
25 Nutritional deficiencies 260-269	1	1								1	
26 Anemias 280-285	4	3	1								
27 Meningitis 320-322	1	1						1			
28 Major cardiovascular diseases 390-448	903	875	28	30	3	111		87	4	187	2
29 Diseases of heart 390-398, 402, 404-429	733	712	21	23	2	85		61	4	164	2
30 Rheumatic fever and rheumatic heart disease 390-398	3	3				1				1	
31 Hypertensive heart disease 402	16	15	1					1		3	
32 Hypertensive heart & renal disease ... 404	1	1									
33 Ischemic heart disease 410-414	477	467	10	14	2	52		45	2	106	1
34 Acute myocardial infarction 410	289	283	6	7	2	39		32	1	74	1
35 Other ischemic heart disease ... 411-414	188	184	4	7		13		13	1	32	
36 Other diseases of endocardium 424	8	8				1		1		4	
37 All other forms of heart disease 415-423, 425-429	228	218	10	9		31		14	2	50	1
38 Hypertension 401, 403	3	3									
39 Cerebrovascular diseases. 430-438	130	125	5	6		24		18		21	
40 Atherosclerosis 440	13	13				2		4			
41 Other diseases of arteries, arterioles, and capillaries 441-448	24	22	2	1	1			4		2	
42 Acute bronchitis and bronchiolitis 466	1	1									
43 Pneumonia and influenza 480-487	123	123		2		20		15		19	
44 Chronic obstructive pulmonary diseases 490-496	81	79	2	6		11		5		12	
45 Ulcer of stomach and duodenum 531-533	7	7				1		1		1	
46 Appendicitis 540-543											
47 Hernia & intestinal obstruction .. 550-553, 560	4	4		1		1					
48 Chronic liver disease and cirrhosis 571	19	19				1		1		2	
49 Cholelithiasis and other disorders of gall bladder 574-575	3	2	1			1					
50 Nephritis, nephrotic syndrome, and nephrosis 580-589	18	17	1			1		2		6	
51 Infections of kidney 590											
52 Hyperplasia of prostate 600											
53 Complications of pregnancy, childbirth, and the puerperium 630-676											
54 Congenital anomalies 740-759	11	11				4					
55 Certain conditions originating in the perinatal period 760-779	11	10	1			2				3	
56 Symptoms and ill-defined conditions .. 780-799	26	26				3		2		4	
57 All other diseases Residual	161	154	7	10		28	1	19	1	27	
58 Accidents E800-E949	83	80	3	4		13		7		12	
59 Motor vehicle accidents E810-E825	40	40		3		6		3		3	
60 Home accidents (Home) E850-E949	14	13	1			2		1		4	
61 All other accidents E800-E807, E826-E849 (Other) E850-E949	29	27	2	1		5		3		5	
62 Suicide E950-E959	21	20	1			5				4	1
63 Homicide and legal intervention E960-E978	12	12				1		2		4	
64 Other external causes E980-E999	2	2									

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1988
PLANNING DISTRICT 3 (continued)

Cause of Death	Washington		Wythe		Bristol		Galax	
	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	423	12	286	14	216	13	81	4
1 Shigellosis and amebiasis 004-006								
2 Certain other intestinal infections .. 007-009								
3 Tuberculosis, all forms 010-018					1			
4 Whooping cough 033								
5 Streptococcal sore throat, scarlatina and erysipelas 034-035								
6 Meningococcal infection 036			1					
7 Septicemia 038	1		2	1	1		2	
8 Acute poliomyelitis 045								
9 Measles 055								
10 Viral hepatitis 070	1							
11 Syphilis 090-097								
12 Other infectious & parasitic diseases								
..... Residual of 001-139	5				1			
13 Malignant neoplasms 140-208	84	4	53	1	54		15	2
14 Lip, oral cavity and pharynx 140-149					1			
15 Digestive organs and peritoneum 150-159	18	2	14		15		3	1
16 Respiratory & intrathoracic organs . 160-165	26	1	23	1	16		5	1
17 Breast 174-175	9		4		6		2	
18 Genital organs 179-187	9	1	4		3		1	
19 Urinary organs 188-189	3		2		1			
20 Other & unspecified sites .. 170-173, 190-199	12		2		7		4	
21 Leukemia 204-208	3		1		2			
22 Other neoplasms of lymphatic and hematopoietic tissues 200-203	4		3		3			
23 Benign neoplasms and neoplasms of unspecified nature 210-239	3		1					
24 Diabetes mellitus 250	5	1	9			1		
25 Nutritional deficiencies 260-269								
26 Anemias 280-285	2		1	1				
27 Meningitis 320-322								
28 Major cardiovascular diseases 390-448	184	4	134	6	106	9	36	
29 Diseases of heart 390-398, 402, 404-429	159	3	105	5	87	5	28	
30 Rheumatic fever and rheumatic heart disease 390-398			1					
31 Hypertensive heart disease 402	9		1	1	1			
32 Hypertensive heart & renal disease ... 404					1			
33 Ischemic heart disease 410-414	93	1	77	2	60	2	20	
34 Acute myocardial infarction 410	48		40		31	2	12	
35 Other ischemic heart disease ... 411-414	45	1	37	2	29		8	
36 Other diseases of endocardium 424					1		1	
37 All other forms of heart disease								
..... 415-423, 425-429	57	2	26	2	24	3	7	
38 Hypertension 401, 403	1		1				1	
39 Cerebrovascular diseases. 430-438	18	1	19	1	14	3	5	
40 Atherosclerosis 440	2		2		1		2	
41 Other diseases of arteries, arterioles, and capillaries 441-448	4		7		4	1		
42 Acute bronchitis and bronchiolitis 466					1			
43 Pneumonia and influenza 480-487	35		17		7		8	
44 Chronic obstructive pulmonary diseases 490-496	21	1	13	1	8		3	
45 Ulcer of stomach and duodenum 531-533	1				2		1	
46 Appendicitis 540-543								
47 Hernia & intestinal obstruction .. 550-553, 560			2					
48 Chronic liver disease and cirrhosis 571	6		4		5			
49 Cholelithiasis and other disorders of gall bladder 574-575		1			1			
50 Nephritis, nephrotic syndrome, and nephrosis 580-589	4		2		2			1
51 Infections of kidney 590								
52 Hyperplasia of prostate 600								
53 Complications of pregnancy, childbirth, and the puerperium 630-676								
54 Congenital anomalies 740-739	2		4				1	
55 Certain conditions originating in the perinatal period 760-779	3			1	2			
56 Symptoms and ill-defined conditions .. 780-799	2		11		2		2	
57 All other diseases Residual	33	1	14	2	16	1	7	1
58 Accidents E800-E949	20		16	1	5	2	3	
59 Motor vehicle accidents E810-E825	11		10		2		2	
60 Home accidents (Home) E850-E949	2		2		2	1		
61 All other accidents Residual								
..... E800-E807, E826-E849 (Other) E850-E949	7		4	1	1	1	1	
62 Suicide E950-E959	5		2		2		2	
63 Homicide and legal intervention E960-E978	4						1	
64 Other external causes E980-E999	2							

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1988
PLANNING DISTRICT 4

Cause of Death	Planning District 4			Floyd		Giles	
	Total	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	1,153	1,091	62	102	8	103	2
1 Shigellosis and amebiasis 004-006							
2 Certain other intestinal infections .. 007-009							
3 Tuberculosis, all forms 010-018	1	1					
4 Whooping cough 033							
5 Streptococcal sore throat, scarlatina and erysipelas 034-035							
6 Meningococcal infection 036							
7 Septicemia 038	19	17	2			4	
8 Acute poliomyelitis 045							
9 Measles 055							
10 Viral hepatitis 070							
11 Syphilis 090-097							
12 Other infectious & parasitic diseases Residual of 001-139	5	5				1	
13 Malignant neoplasms 140-208	233	221	12	24	3	36	1
14 Lip, oral cavity and pharynx 140-149	2	2				2	
15 Digestive organs and peritoneum 150-159	56	51	5	4	1	4	
16 Respiratory & intrathoracic organs . 160-165	74	70	4	7	1	11	1
17 Breast 174-175	14	14		2		3	
18 Genital organs 179-187	25	22	3	2	1	5	
19 Urinary organs 188-189	9	9		1		3	
20 Other & unspecified sites .. 170-173, 190-199	21	21		4		1	
21 Leukemia 204-208	18	18		1		4	
22 Other neoplasms of lymphatic and hematopoietic tissues 200-203	14	14		3		3	
23 Benign neoplasms and neoplasms of unspecified nature 210-239	4	3	1			1	
24 Diabetes mellitus 250	18	16	2	1			
25 Nutritional deficiencies 260-269	1	1					
26 Anemias 280-285	2	2					
27 Meningitis 320-322							
28 Major cardiovascular diseases 390-448	552	523	29	54	4	86	1
29 Diseases of heart 390-398, 402, 404-429	460	436	24	46	4	70	1
30 Rheumatic fever and rheumatic heart disease 390-398	2	1	1				
31 Hypertensive heart disease 402	6	6		1		1	
32 Hypertensive heart & renal disease ... 404							
33 Ischemic heart disease 410-414	285	272	13	35	2	38	
34 Acute myocardial infarction 410	174	165	9	27	1	22	
35 Other ischemic heart disease ... 411-414	111	107	4	8	1	16	
36 Other diseases of endocardium 424	5	5				1	
37 All other forms of heart disease 415-423, 425-429	162	152	10	10	2	30	1
38 Hypertension 401, 403	3	3				2	
39 Cerebrovascular diseases. 430-438	74	69	5	6		11	
40 Atherosclerosis 440	3	3		1		1	
41 Other diseases of arteries, arterioles, and capillaries 441-448	12	12		1		2	
42 Acute bronchitis and bronchiolitis 466	1	1					
43 Pneumonia and influenza 480-487	55	52	3	7		8	
44 Chronic obstructive pulmonary diseases 490-496	44	44		4		13	
45 Ulcer of stomach and duodenum 531-533	1	1					
46 Appendicitis 540-543							
47 Hernia & intestinal obstruction .. 550-553, 560	1	1					
48 Chronic liver disease and cirrhosis 571	11	11		2		1	
49 Cholelithiasis and other disorders of gall bladder 574-575	2	2					
50 Nephritis, nephrotic syndrome, and nephrosis 580-589	11	10	1			3	
51 Infections of kidney 590	1	1					
52 Hyperplasia of prostate 600							
53 Complications of pregnancy, childbirth, and the puerperium 630-676	1	1		1			
54 Congenital anomalies 740-759	7	7				1	
55 Certain conditions originating in the perinatal period 760-779	4	3	1				
56 Symptoms and ill-defined conditions .. 780-799	8	7	1	1		2	
57 All other diseases Residual	96	92	4	5		17	
58 Accidents E800-E949	47	42	5	2	1	10	
59 Motor vehicle accidents E810-E825	18	17	1	1		4	
60 Home accidents (Home) E850-E949	7	6	1		1	2	
61 All other accidents E800-E807, E826-E849 (Other) E850-E949	22	19	3	1		4	
62 Suicide E950-E959	17	16	1	1			
63 Homicide and legal intervention E960-E978	10	10					
64 Other external causes E980-E999	1	1					

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1988
PLANNING DISTRICT 4 (continued)

Cause of Death	Montgomery		Fulaski		Radford	
	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	395	17	313	22	98	13
1 Shigellosis and amebiasis 004-006						
2 Certain other intestinal infections .. 007-009						
3 Tuberculosis, all forms 010-018	1					
4 Whooping cough 033						
5 Streptococcal sore throat, scarlatina and erysipelas 034-035						
6 Meningococcal infection 036						
7 Septicemia 038	3		7	1	3	1
8 Acute poliomyelitis 045						
9 Measles 055						
10 Viral hepatitis 070						
11 Syphilis 090-097						
12 Other infectious & parasitic diseases Residual of 001-139			4			
13 Malignant neoplasms 140-208	84	3	64	4	13	1
14 Lip, oral cavity and pharynx 140-149						
15 Digestive organs and peritoneum 150-159	18		20	3	5	1
16 Respiratory & intrathoracic organs . 160-165	29	2	18		5	
17 Breast 174-175	6		3			
18 Genital organs 179-187	11	1	3	1	1	
19 Urinary organs 188-189	1		3		1	
20 Other & unspecified sites .. 170-173,190-199	6		10			
21 Leukemia 204-208	8		5			
22 Other neoplasms of lymphatic and hematopoietic tissues 200-203	5		2		1	
23 Benign neoplasms and neoplasms of unspecified nature 210-239	1	1	1			
24 Diabetes mellitus 250	10		3		2	2
25 Nutritional deficiencies 260-269	1					
26 Anemias 280-285	1		1			
27 Meningitis 320-322						
28 Major cardiovascular diseases 390-448	179	8	155	11	49	5
29 Diseases of heart 390-398,402,404-429	155	7	128	7	37	5
30 Rheumatic fever and rheumatic heart disease 390-398	1					1
31 Hypertensive heart disease 402	2		2			
32 Hypertensive heart & renal disease ... 404						
33 Ischemic heart disease 410-414	86	4	89	4	24	3
34 Acute myocardial infarction 410	60	2	39	4	17	2
35 Other ischemic heart disease ... 411-414	26	2	50		7	1
36 Other diseases of endocardium 424	2		2			
37 All other forms of heart disease 415-423,425-429	64	3	35	3	13	1
38 Hypertension 401,403			1			
39 Cerebrovascular diseases. 430-438	20	1	21	4	11	
40 Atherosclerosis 440			1			
41 Other diseases of arteries, arterioles, and capillaries 441-448	4		4		1	
42 Acute bronchitis and bronchiolitis 466			1			
43 Pneumonia and influenza 480-487	23		11	1	3	2
44 Chronic obstructive pulmonary diseases 490-496	14		8		5	
45 Ulcer of stomach and duodenum 531-533					1	
46 Appendicitis 540-543						
47 Hernia & intestinal obstruction .. 550-553,560	1					
48 Chronic liver disease and cirrhosis 571	4		3		1	
49 Cholelithiasis and other disorders of gall bladder 574-575			1		1	
50 Nephritis, nephrotic syndrome, and nephrosis 580-589	5		1		1	1
51 Infections of kidney 590					1	
52 Hyperplasia of prostate 600						
53 Complications of pregnancy, childbirth, and the puerperium 630-676						
54 Congenital anomalies 740-759	2		4			
55 Certain conditions originating in the perinatal period 760-779	3	1				
56 Symptoms and ill-defined conditions .. 780-799	1	1	2		1	
57 All other diseases Residual	37	2	22	2	11	
58 Accidents E800-E949	14	1	12	2	4	1
59 Motor vehicle accidents E810-E825	6		4	1	2	
60 Home accidents (Home) E850-E949	3		1			
61 All other accidents E800-E807,E826-E849 (Other) E850-E949	5	1	7	1	2	1
62 Suicide E950-E959	4		10	1	1	
63 Homicide and legal intervention E960-E978	6		3		1	
64 Other external causes E980-E999	1					

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1988
PLANNING DISTRICT 5

Cause of Death	Planning District 5			Alleghany		Botetourt		Craig		Roanoke	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	2,716	2,376	340	116	4	166	17	40	1	657	23
1 Shigellosis and amebiasis 004-006											
2 Certain other intestinal infections .. 007-009											
3 Tuberculosis, all forms 010-018	1		1								
4 Whooping cough 033											
5 Streptococcal sore throat, scarlatina and erysipelas 034-035											
6 Meningococcal infection 036											
7 Septicemia 038	48	40	8	1		2				15	1
8 Acute poliomyelitis 045											
9 Measles 055											
10 Viral hepatitis 070											
11 Syphilis 090-097											
12 Other infectious & parasitic diseases											
..... Residual of 001-139	9	6	3							3	
13 Malignant neoplasms 140-208	561	485	76	25	2	31	3	8		139	5
14 Lip, oral cavity and pharynx 140-149	4	3	1							2	
15 Digestive organs and peritoneum 150-159	136	111	25	9		9	2	1		29	4
16 Respiratory & intrathoracic organs . 160-165	180	158	22	8	1	10	1	1		44	1
17 Breast 174-175	46	43	3		1			1		18	
18 Genital organs 179-187	49	40	9			3		2		9	
19 Urinary organs 188-189	14	13	1			1				3	
20 Other & unspecified sites .. 170-173, 190-199	76	66	10	6		4		1		17	
21 Leukemia 204-208	23	23		1		1				8	
22 Other neoplasms of lymphatic and hematopoietic tissues 200-203	33	28	5	1		3		2		9	
23 Benign neoplasms and neoplasms of unspecified nature 210-239	9	7	2			1				1	
24 Diabetes mellitus 250	33	29	4	2		1		2		9	
25 Nutritional deficiencies 260-269	4	1	3								
26 Anemias 280-285	4	4									
27 Meningitis 320-322											
28 Major cardiovascular diseases 390-448	1,332	1,175	157	63		90	9	20		313	12
29 Diseases of heart 390-398, 402, 404-429	1,004	885	119	52		62	6	12		221	8
30 Rheumatic fever and rheumatic heart disease 390-398	5	4	1					1			
31 Hypertensive heart disease 402	24	17	7			2		1		7	
32 Hypertensive heart & renal disease ... 404	2	2								1	
33 Ischemic heart disease 410-414	649	574	75	44		40	5	3		144	4
34 Acute myocardial infarction 410	312	281	31	19		16	1	1		70	1
35 Other ischemic heart disease ... 411-414	337	293	44	25		24	4	2		74	3
36 Other diseases of endocardium 424	16	14	2			1		1		4	
37 All other forms of heart disease 415-423, 425-429	308	274	34	8		19	1	6		65	4
38 Hypertension 401, 403	6	4	2	1						2	
39 Cerebrovascular diseases. 430-438	249	218	31	9		20	3	6		58	4
40 Atherosclerosis 440	43	39	4			8				18	
41 Other diseases of arteries, arterioles, and capillaries 441-448	30	29	1	1				2		14	
42 Acute bronchitis and bronchiolitis 466	2	2				1				1	
43 Pneumonia and influenza 480-487	96	90	6	1		8		2		27	
44 Chronic obstructive pulmonary diseases 490-496	108	99	9	3		5	1	1		28	
45 Ulcer of stomach and duodenum 531-533	9	9								2	
46 Appendicitis 540-543											
47 Hernia & intestinal obstruction .. 550-553, 560	6	3	3							2	
48 Chronic liver disease and cirrhosis 571	40	35	5	3		1		1		9	
49 Cholelithiasis and other disorders of gall bladder 574-575	2	2									
50 Nephritis, nephrotic syndrome, and nephrosis 580-589	24	22	2	1		1		1		6	
51 Infections of kidney 590	3	3								1	
52 Hyperplasia of prostate 600											
53 Complications of pregnancy, childbirth, and the puerperium 630-676											
54 Congenital anomalies 740-759	8	6	2							3	
55 Certain conditions originating in the perinatal period 760-779	15	7	8			1				1	
56 Symptoms and ill-defined conditions .. 780-799	20	15	5	2		2					1
57 All other diseases Residual	212	191	21	6	2	10	2	3	1	60	2
58 Accidents E800-E949	116	102	14	9		6	2	1		31	2
59 Motor vehicle accidents E810-E825	36	36		4		3		1		13	
60 Home accidents (Home) E850-E949	32	25	7			1	1			9	
61 All other accidents E800-E807, E826-E849 (Other) E850-E949	48	41	7	5		2	1			9	2
62 Suicide E950-E959	35	33	2			5		1		6	
63 Homicide and legal intervention E960-E978	17	9	8			1					
64 Other external causes E980-E999	2	1	1								

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1988
PLANNING DISTRICT 5 (continued)

Cause of Death	Clifton Forge		Covington		Roanoke City		Salem	
	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	88	19	84	11	981	247	244	18
1 Shigellosis and amebiasis 004-006								
2 Certain other intestinal infections .. 007-009								
3 Tuberculosis, all forms 010-018						1		
4 Whooping cough 033								
5 Streptococcal sore throat, scarlatina and erysipelas 034-035								
6 Meningococcal infection 036								
7 Septicemia 038	1		1		13	6	7	1
8 Acute poliomyelitis 045								
9 Measles 055								
10 Viral hepatitis 070								
11 Syphilis 090-097								
12 Other infectious & parasitic diseases								
..... Residual of 001-139					3	3		
13 Malignant neoplasms 140-208	7	4	18	3	197	58	60	1
14 Lip, oral cavity and pharynx 140-149					1	1		
15 Digestive organs and peritoneum 150-159		1	2		35	18	6	
16 Respiratory & intrathoracic organs . 160-165	5		7	1	59	18	24	
17 Breast 174-175			2		16	2	6	
18 Genital organs 179-187	1	1		1	21	7	4	
19 Urinary organs 188-189			1		4	1	4	
20 Other & unspecified sites .. 170-173,190-199		2	4	1	23	7	11	
21 Leukemia 204-208			1		10		2	
22 Other neoplasms of lymphatic and hematopoietic tissues 200-203	1		1		8	4	3	1
23 Benign neoplasms and neoplasms of unspecified nature 210-239			1		4	2		
24 Diabetes mellitus 250	5				10	4		
25 Nutritional deficiencies 260-269					1	3		
26 Anemias 280-285	1				3			
27 Meningitis 320-322								
28 Major cardiovascular diseases 390-448	50	10	42	3	475	113	122	10
29 Diseases of heart 390-398,402,404-429	43	10	38	2	363	84	94	9
30 Rheumatic fever and rheumatic heart disease 390-398			1		2	1		
31 Hypertensive heart disease 402		1	1		4	6	2	
32 Hypertensive heart & renal disease ... 404					1			
33 Ischemic heart disease 410-414	37	7	27	2	222	51	57	6
34 Acute myocardial infarction 410	18	5	14	2	103	19	40	3
35 Other ischemic heart disease ... 411-414	19	2	13		119	32	17	3
36 Other diseases of endocardium 424			2		5	2	1	
37 All other forms of heart disease								
..... 415-423,425-429	6	2	7		129	24	34	3
38 Hypertension 401,403					1	1		1
39 Cerebrovascular diseases. 430-438	7		4	1	89	23	25	
40 Atherosclerosis 440					11	4	2	
41 Other diseases of arteries, arterioles, and capillaries 441-448					11	1	1	
42 Acute bronchitis and bronchiolitis 466								
43 Pneumonia and influenza 480-487	7		3	2	36	3	6	1
44 Chronic obstructive pulmonary diseases 490-496	3	2	3	1	48	4	8	1
45 Ulcer of stomach and duodenum 531-533	1				6			
46 Appendicitis 540-543								
47 Hernia & intestinal obstruction .. 550-553,560					1	3		
48 Chronic liver disease and cirrhosis 571	1	2	1		18	3	1	
49 Cholelithiasis and other disorders of gall bladder 574-575					1		1	
50 Nephritis, nephrotic syndrome, and nephrosis 580-589	3		3		6	2	1	
51 Infections of kidney 590	1						1	
52 Hyperplasia of prostate 600								
53 Complications of pregnancy, childbirth, and the puerperium 630-676								
54 Congenital anomalies 740-759					1	1	2	1
55 Certain conditions originating in the perinatal period 760-779					4	8	1	
56 Symptoms and ill-defined conditions .. 780-799	1		1	1	8	3	1	
57 All other diseases Residual	4	1	6	1	80	11	22	1
58 Accidents E800-E949	3		2		43	9	7	1
59 Motor vehicle accidents E810-E823	3		2		7		3	
60 Home accidents (Home) E850-E949					15	5		1
61 All other accidents E800-E807,E826-E849 (Other) E850-E949					21	4	4	
62 Suicide E950-E959			3		15	2	3	
63 Homicide and legal intervention E960-E978					7	7	1	1
64 Other external causes E980-E999					1	1		

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1988
PLANNING DISTRICT 6

Cause of Death	Planning District 6			Augusta		Bath		Highland		Rockbridge	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	2,011	1,897	114	419	13	39	5	30	1	177	14
1 Shigellosis and amebiasis	004-006										
2 Certain other intestinal infections ..	007-009	1	1	1							
3 Tuberculosis, all forms	010-018	2	2								
4 Whooping cough	033										
5 Streptococcal sore throat, scarlatina and											
erysipelas	034-035										
6 Meningococcal infection	036										
7 Septicemia	038	30	28	2	7	1	2			3	
8 Acute poliomyelitis	045										
9 Measles	055										
10 Viral hepatitis	070	1	1								
11 Syphilis	090-097										
12 Other infectious & parasitic diseases											
..... Residual of 001-139		8	8	1							
13 Malignant neoplasms	140-208	428	399	29	92	1	13	2	10	1	39
14 Lip, oral cavity and pharynx	140-149	8	7	1	2						
15 Digestive organs and peritoneum	150-159	103	99	4	23	6		2		8	
16 Respiratory & intrathoracic organs .	160-165	107	102	5	26	3	2	5		12	1
17 Breast	174-175	37	35	2	7			1		2	
18 Genital organs	179-187	49	42	7	11				1	3	1
19 Urinary organs	188-189	11	9	2	4	1					
20 Other & unspecified sites ..	170-173,190-199	64	62	2	13	3		1		6	
21 Leukemia	204-208	20	19	1	2	1		1		3	
22 Other neoplasms of lymphatic and											
hematopoietic tissues	200-203	29	24	5	4					5	1
23 Benign neoplasms and neoplasms of											
unspecified nature	210-239	5	5							2	
24 Diabetes mellitus	250	27	23	4	3			3		4	
25 Nutritional deficiencies	260-269	4	4		1					1	
26 Anemias	280-285	2	2								
27 Meningitis	320-322	1	1		1						
28 Major cardiovascular diseases	390-448	960	904	56	207	10	28	3	9	72	5
29 Diseases of heart	390-398,402,404-429	750	711	39	164	6	23	3	8	61	5
30 Rheumatic fever and rheumatic											
heart disease	390-398	8	8		1	1					
31 Hypertensive heart disease	402	7	7		1					1	
32 Hypertensive heart & renal disease ...	404	2	2		1	1					
33 Ischemic heart disease	410-414	484	465	19	121	3	15		6	41	2
34 Acute myocardial infarction	410	310	302	8	78	1	10		4	24	1
35 Other ischemic heart disease ...	411-414	174	163	11	43	2	5		2	17	1
36 Other diseases of endocardium	424	13	12	1	3		1				
37 All other forms of heart disease											
..... 415-423,425-429		236	217	19	37	3	5	3	2	19	3
38 Hypertension	401,403	5	5		1	1					
39 Cerebrovascular diseases.	430-438	159	144	15	34	3	3		1	9	
40 Atherosclerosis	440	18	18		3	1					
41 Other diseases of arteries, arterioles,											
and capillaries	441-448	28	26	2	5	1				2	
42 Acute bronchitis and bronchiolitis	466										
43 Pneumonia and influenza	480-487	89	87	2	15	2		2		12	1
44 Chronic obstructive pulmonary diseases	490-496	71	70	1	12	4		1		8	1
45 Ulcer of stomach and duodenum	531-533	5	5							1	
46 Appendicitis	540-543	1	1								
47 Hernia & intestinal obstruction ..	550-553,560	3	1	2							
48 Chronic liver disease and cirrhosis	571	13	12	1	4					2	
49 Cholelithiasis and other disorders of											
gall bladder	574-575	3	3								
50 Nephritis, nephrotic syndrome, and											
nephrosis	580-589	17	15	2	4						1
51 Infections of kidney	590	1	1								
52 Hyperplasia of prostate	600	1	1								
53 Complications of pregnancy, childbirth,											
and the puerperium	630-676										
54 Congenital anomalies	740-759	9	8	1	2					1	
55 Certain conditions originating in the											
perinatal period	760-779	7	7							2	
56 Symptoms and ill-defined conditions ..	780-799	20	19	1	2						
57 All other diseases	Residual	162	152	10	35	1	2	1		16	2
58 Accidents	E800-E949	92	90	2	20	5		2		6	1
59 Motor vehicle accidents	E810-E825	52	51	1	12	2		1		2	
60 Home accidents	(Home) E850-E949	8	7	1	1						1
61 All other accidents											
..... E800-E807,E826-E849 (Other) E850-E949		32	32		7	3		1		4	
62 Suicide	E950-E959	38	38		10	3		2		3	
63 Homicide and legal intervention	E960-E978	9	9		2					5	
64 Other external causes	E980-E999	1		1							

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1988
PLANNING DISTRICT 6 (continued)

Cause of Death	Rockingham		Buena Vista		Harrisonburg		Lexington		Staunton		Waynesboro	
	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	452	7	69	1	205	10	63	8	239	44	184	11
1 Shigellosis and amebiasis 004,006												
2 Certain other intestinal infections .. 007-009												
3 Tuberculosis, all forms 010-018	2											
4 Whooping cough 033												
5 Streptococcal sore throat, scarlatina and erysipelas 034-035												
6 Meningococcal infection 036												
7 Septicemia 038	7				1		2		3		3	1
8 Acute poliomyelitis 045												
9 Measles 055												
10 Viral hepatitis 070					1							
11 Syphilis 090-097												
12 Other infectious & parasitic diseases Residual of 001-139												
13 Malignant neoplasms 140-208	87	2	15		42		15	3	46	14	40	3
14 Lip, oral cavity and pharynx 140-149	2				1				2	1		
15 Digestive organs and peritoneum 150-159	22		8		11		3	1	10	3	6	
16 Respiratory & intrathoracic organs . 160-165	23		2		8		3	1	11		9	1
17 Breast 174-175	4		2		7		3		6	2	3	
18 Genital organs 179-187	13		1		3		2		3	3	6	2
19 Urinary organs 188-189	2				1				2		1	
20 Other & unspecified sites .. 170-173,190-199	9	1	1		6		3	1	8		12	
21 Leukemia 204-208	6				4				2		1	
22 Other neoplasms of lymphatic and hematopoietic tissues 200-203	6	1	1		1		1		4	3	2	
23 Benign neoplasms and neoplasms of unspecified nature 210-239	1								1		1	
24 Diabetes mellitus 250	6	1	1					1	2	2	4	
25 Nutritional deficiencies 260-269							1		1			
26 Anemias 280-285	2											
27 Meningitis 320-322												
28 Major cardiovascular diseases 390-448	234	4	29		102	7	30	2	112	19	81	6
29 Diseases of heart 390-398,402,404-429	188	4	22		75	5	24	2	83	12	63	2
30 Rheumatic fever and rheumatic heart disease 390-398	4						1		1			
31 Hypertensive heart disease 402	3				1						1	
32 Hypertensive heart & renal disease ... 404												
33 Ischemic heart disease 410-414	119	2	12		39	2	12	2	55	7	45	1
34 Acute myocardial infarction 410	91	1	9		30	2	5	1	25	1	26	1
35 Other ischemic heart disease ... 411-414	28	1	3		9		7	1	30	6	19	
36 Other diseases of endocardium 424	4		2							1	2	
37 All other forms of heart disease 415-423,425-429	58	2	8		35	3	11		27	4	15	1
38 Hypertension 401,403									1		2	
39 Cerebrovascular diseases. 430-438	38		4		23	2	4		17	6	11	4
40 Atherosclerosis 440	1		2		2		1		6		2	
41 Other diseases of arteries, arterioles, and capillaries 441-448	7		1		2		1		5	1	3	
42 Acute bronchitis and bronchiolitis 466												
43 Pneumonia and influenza 480-487	13		2		11	1	6		12		12	
44 Chronic obstructive pulmonary diseases 490-496	15		6		9		1		9		5	
45 Ulcer of stomach and duodenum 531-533	2								1		1	
46 Appendicitis 540-543	1											
47 Hernia & intestinal obstruction .. 550-553,560	1			1						1		
48 Chronic liver disease and cirrhosis 571	2		1		2				1	1		
49 Cholelithiasis and other disorders of gall bladder 574-575	1		1								1	
50 Nephritis, nephrotic syndrome, and nephrosis 580-589	2		1		2		1		3	1	2	
51 Infections of kidney 590									1			
52 Hyperplasia of prostate 600							1					
53 Complications of pregnancy, childbirth, and the puerperium 630-676												
54 Congenital anomalies 740-759	2				1				1		1	1
55 Certain conditions originating in the perinatal period 760-779	3				1						1	
56 Symptoms and ill-defined conditions .. 780-799	6		1		6			1	3		1	
57 All other diseases Residual	31		10		15	1	4	1	23	5	15	
58 Accidents E800-E949	25				9		2		12	1	9	
59 Motor vehicle accidents E810-E825	12				5		2		9	1	6	
60 Home accidents (Home) E850-E949	3				2				1			
61 All other accidents E800-E807,E826-E849 (Other) E850-E949	10				2				2		3	
62 Suicide E950-E959	6		1		1				6		6	
63 Homicide and legal intervention E960-E978	1								1			
64 Other external causes E980-E999						1						

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1988
PLANNING DISTRICT 7

Cause of Death	Planning District 7			Clarke		Frederick	
	Total	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	1,436	1,383	73	97	17	266	3
1 Shigellosis and amebiasis 004-006							
2 Certain other intestinal infections .. 007-009							
3 Tuberculosis, all forms 010-018	1	1					
4 Whooping cough 033							
5 Streptococcal sore throat, scarlatina and erysipelas 034-035							
6 Meningococcal infection 036	1	1					
7 Septicemia 038	11	10	1			3	
8 Acute poliomyelitis 045							
9 Measles 055							
10 Viral hepatitis 070	2	2					
11 Syphilis 090-097							
12 Other infectious & parasitic diseases							
..... Residual of 001-139	6	6				1	
13 Malignant neoplasms 140-208	343	317	26	20	5	59	3
14 Lip, oral cavity and pharynx 140-149	6	5	1				1
15 Digestive organs and peritoneum 150-159	75	68	7	3	1	12	
16 Respiratory & intrathoracic organs . 160-165	98	88	10	4	1	20	1
17 Breast 174-175	34	32	2	3	1	4	
18 Genital organs 179-187	46	46		5		11	
19 Urinary organs 188-189	10	10		2			
20 Other & unspecified sites .. 170-173,190-199	44	41	3		1	5	
21 Leukemia 204-208	13	12	1	3	1	3	
22 Other neoplasms of lymphatic and hematopoietic tissues 200-203	17	15	2			4	1
23 Benign neoplasms and neoplasms of unspecified nature 210-239	5	5				2	
24 Diabetes mellitus 250	20	18	2	2		2	
25 Nutritional deficiencies 260-269	3	2	1			1	
26 Anemias 280-285	2		2				
27 Meningitis 320-322							
28 Major cardiovascular diseases 390-448	707	674	33	47	7	132	
29 Diseases of heart 390-398,402,404-429	579	550	29	40	7	105	
30 Rheumatic fever and rheumatic heart disease 390-398	4	4					
31 Hypertensive heart disease 402	5	5				1	
32 Hypertensive heart & renal disease ... 404	1	1					
33 Ischemic heart disease 410-414	365	352	13	27	3	63	
34 Acute myocardial infarction 410	217	209	8	19	1	32	
35 Other ischemic heart disease ... 411-414	148	143	5	8	2	31	
36 Other diseases of endocardium 424	13	13				2	
37 All other forms of heart disease							
..... 415-423,425-429	191	175	16	13	4	39	
38 Hypertension 401,403	2	2		1		1	
39 Cerebrovascular diseases. 430-438	103	99	4	6		24	
40 Atherosclerosis 440	6	6					
41 Other diseases of arteries, arterioles, and capillaries 441-448	17	17				2	
42 Acute bronchitis and bronchiolitis 466							
43 Pneumonia and influenza 480-487	47	47		3		10	
44 Chronic obstructive pulmonary diseases 490-496	52	51	1	4		9	
45 Ulcer of stomach and duodenum 531-533	2	2					
46 Appendicitis 540-543							
47 Hernia & intestinal obstruction .. 550-553,560	2	2					
48 Chronic liver disease and cirrhosis 571	21	21		4		3	
49 Cholelithiasis and other disorders of gall bladder 574-575	1	1					
50 Nephritis, nephrotic syndrome, and nephrosis 580-589	9	9		2			
51 Infections of kidney 590							
52 Hyperplasia of prostate 600							
53 Complications of pregnancy, childbirth, and the puerperium 630-676							
54 Congenital anomalies 740-759	9	9		1		3	
55 Certain conditions originating in the perinatal period 760-779	5	4	1		1	1	
56 Symptoms and ill-defined conditions .. 780-799	24	22	2		2	5	
57 All other diseases Residual	84	82	2	8	2	16	
58 Accidents E800-E949	73	71	2	4		15	
59 Motor vehicle accidents E810-E825	44	43	1	2		9	
60 Home accidents (Home) E850-E949	6	6				1	
61 All other accidents E800-E807,E826-E849 (Other) E850-E949	23	22	1	2		5	
62 Suicide E950-E959	24	24		2		3	
63 Homicide and legal intervention E960-E978	2	2				1	
64 Other external causes E980-E999							

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1988
PLANNING DISTRICT 7 (continued)

Cause of Death	Page		Shenandoah		Warren		Winchester	
	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	204	6	320	3	213	22	283	22
1 Shigellosis and amebiasis 004-006								
2 Certain other intestinal infections .. 007-009					1			
3 Tuberculosis, all forms 010-018					1			
4 Whooping cough 033								
5 Streptococcal sore throat, scarlatina and erysipelas 034-035								
6 Meningococcal infection 036			1					
7 Septicemia 038	2		2		1		2	1
8 Acute poliomyelitis 045								
9 Measles 055								
10 Viral hepatitis 070					1		1	
11 Syphilis 090-097								
12 Other infectious & parasitic diseases								
..... Residual of 001-139								
13 Malignant neoplasms 140-208	2				2		1	
..... 140-208	45	2	71	2	62	5	60	9
14 Lip, oral cavity and pharynx 140-149	1		1		1		2	
15 Digestive organs and peritoneum 150-159	6		15	1	14	2	18	3
16 Respiratory & intrathoracic organs .. 160-165	12	1	20	1	12	2	20	4
17 Breast 174-175	6		4		7	1	8	
18 Genital organs 179-187	5		10		10		5	
19 Urinary organs 188-189			2		5		1	
20 Other & unspecified sites .. 170-173,190-199	10	1	9		8		6	1
21 Leukemia 204-208	1		5		3			
22 Other neoplasms of lymphatic and hematopoietic tissues 200-203	4		5		2			1
23 Benign neoplasms and neoplasms of unspecified nature 210-239	1						2	
24 Diabetes mellitus 250	3		8		2	1	1	1
25 Nutritional deficiencies 260-269							1	1
26 Anemias 280-285						2		
27 Meningitis 320-322								
28 Major cardiovascular diseases 390-448	103	2	148	1	101	14	143	9
29 Diseases of heart 390-398,402,404-429	90	2	117	1	85	12	113	7
30 Rheumatic fever and rheumatic heart disease 390-398			2				2	
31 Hypertensive heart disease 402	1				2		1	
32 Hypertensive heart & renal disease ... 404	1							
33 Ischemic heart disease 410-414	61	2	76		56	5	69	3
34 Acute myocardial infarction 410	47	2	52		21	4	38	1
35 Other ischemic heart disease ... 411-414	14		24		35	1	31	2
36 Other diseases of endocardium 424	6		2		3			
37 All other forms of heart disease								
..... 415-423,425-429	21		37	1	24	7	41	4
38 Hypertension 401,403								
39 Cerebrovascular diseases. 430-438	10		22		12	2	25	2
40 Atherosclerosis 440			3		2		1	
41 Other diseases of arteries, arterioles, and capillaries 441-448	3		6		2		4	
42 Acute bronchitis and bronchiolitis 466								
43 Pneumonia and influenza 480-487	4		11		5		14	
44 Chronic obstructive pulmonary diseases 490-496	7	1	14		4		13	
45 Ulcer of stomach and duodenum 531-533			2					
46 Appendicitis 540-543								
47 Hernia & intestinal obstruction .. 550-553,560	1						1	
48 Chronic liver disease and cirrhosis 571	3		2		4		5	
49 Cholelithiasis and other disorders of gall bladder 574-575			1					
50 Nephritis, nephrotic syndrome, and nephrosis 580-589	1		3		2		1	
51 Infections of kidney 590								
52 Hyperplasia of prostate 600								
53 Complications of pregnancy, childbirth, and the puerperium 630-676								
54 Congenital anomalies 740-759	1		4					
55 Certain conditions originating in the perinatal period 760-779	1		1				1	
56 Symptoms and ill-defined conditions .. 780-799	2		9		2		4	
57 All other diseases Residual	13		12		11		22	
58 Accidents E800-E949	10	1	22		9		11	1
59 Motor vehicle accidents E810-E823	6		12		7		7	1
60 Home accidents (Home) E850-E949			4		1			
61 All other accidents E800-E807,E826-E849 (Other) E850-E949	4	1	6		1		4	
62 Suicide E950-E959	4		9		6			
63 Homicide and legal intervention E960-E978	1							
64 Other external causes E980-E999								

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1988
PLANNING DISTRICT 8

Cause of Death	Planning District 8			Arlington		Fairfax		Loudoun		Prince William	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	6,625	5,875	750	1,028	144	2,916	263	401	39	569	96
1 Shigellosis and amebiasis 004-006											
2 Certain other intestinal infections .. 007-009	1	1				1					
3 Tuberculosis, all forms 010-018	3	3		1		2					
4 Whooping cough 033											
5 Streptococcal sore throat, scarlatina and erysipelas 034-035											
6 Meningococcal infection 036											
7 Septicemia 038	71	60	11	18	2	28	3	5	2	3	1
8 Acute poliomyelitis 045											
9 Measles 055											
10 Viral hepatitis 070	9	8	1			5	1	1			
11 Syphilis 090-097											
12 Other infectious & parasitic diseases											
..... Residual of 001-139	117	92	25	27	9	37	6	3		8	5
13 Malignant neoplasms 140-208	1,804	1,634	170	284	36	861	55	99	10	153	21
14 Lip, oral cavity and pharynx 140-149	31	27	4	3	1	18	2	2		1	
15 Digestive organs and peritoneum 150-159	429	391	38	73	6	198	14	27	2	29	6
16 Respiratory & intrathoracic organs . 160-165	489	432	57	72	12	223	19	30	4	49	6
17 Breast 174-175	205	192	13	30	4	105	4	9	2	18	1
18 Genital organs 179-187	185	165	20	26	4	100	6	5	2	8	2
19 Urinary organs 188-189	58	52	6	7	3	23	1	5		7	
20 Other & unspecified sites .. 170-173, 190-199	247	228	19	43	3	109	6	13		30	3
21 Leukemia 204-208	65	59	6	7	2	37	3	3		4	1
22 Other neoplasms of lymphatic and hematopoietic tissues 200-203	95	88	7	23	1	48		5		7	2
23 Benign neoplasms and neoplasms of unspecified nature 210-239	28	24	4	3		16	1	2			1
24 Diabetes mellitus 250	101	87	14	5	3	44	3	12		11	2
25 Nutritional deficiencies 260-269	8	7	1	2		3					
26 Anemias 280-285	11	9	2	1		5	1	1		1	1
27 Meningitis 320-322											
28 Major cardiovascular diseases 390-448	2,592	2,323	269	415	56	1,146	98	159	19	207	28
29 Diseases of heart 390-398, 402, 404-429	1,972	1,768	204	308	42	869	74	135	18	155	20
30 Rheumatic fever and rheumatic heart disease 390-398	14	12	2	3		8	1				1
31 Hypertensive heart disease 402	34	24	10	7	2	12	5		2	4	1
32 Hypertensive heart & renal disease ... 404	5	5				3		1		1	
33 Ischemic heart disease 410-414	1,091	999	92	201	28	467	30	83	11	87	7
34 Acute myocardial infarction 410	466	428	38	71	9	208	11	39	8	46	3
35 Other ischemic heart disease ... 411-414	625	571	54	130	19	259	19	44	3	41	4
36 Other diseases of endocardium 424	38	33	5	6		17	2	3		4	1
37 All other forms of heart disease											
..... 415-423, 425-429	790	695	95	91	12	362	36	48	5	59	10
38 Hypertension 401, 403	11	8	3	1	2	4	1			2	
39 Cerebrovascular diseases. 430-438	445	401	44	76	7	197	18	18		41	5
40 Atherosclerosis 440	83	77	6	12	1	42	3	4		7	1
41 Other diseases of arteries, arterioles, and capillaries 441-448	81	69	12	18	4	34	2	2	1	2	2
42 Acute bronchitis and bronchiolitis 466	1	1						1			
43 Pneumonia and influenza 480-487	211	196	15	46	2	74	7	23	1	9	2
44 Chronic obstructive pulmonary diseases 490-496	209	195	14	36	1	113	3	6	2	17	1
45 Ulcer of stomach and duodenum 531-533	16	14	2	5		4	2	1		3	
46 Appendicitis 540-543	2	2				1					
47 Hernia & intestinal obstruction .. 550-553, 560	6	6		2		1		1		1	
48 Chronic liver disease and cirrhosis 571	87	77	10	18		33	4	4		7	2
49 Cholelithiasis and other disorders of gall bladder 574-575	5	5		1		1					
50 Nephritis, nephrotic syndrome, and nephrosis 580-589	57	43	14	6	2	21	7	4		5	1
51 Infections of kidney 590	3	3		1		2					
52 Hyperplasia of prostate 600	1	1				1					
53 Complications of pregnancy, childbirth, and the puerperium 630-676	1	1				1					
54 Congenital anomalies 740-759	65	55	10	7	1	26	4	4		11	2
55 Certain conditions originating in the perinatal period 760-779	76	47	29	2	6	24	16	6		7	
56 Symptoms and ill-defined conditions .. 780-799	88	69	19	10	4	30	9	10	1	8	3
57 All other diseases Residual	504	447	57	83	9	211	12	22	3	40	13
58 Accidents E800-E949	332	284	48	34	6	132	20	24	1	47	7
59 Motor vehicle accidents E810-E825	162	139	23	15	2	61	11	12	1	33	4
60 Home accidents (Home) E850-E949	50	40	10	6	2	18	4	5		3	
61 All other accidents E800-E807, E826-E849 (Other) E850-E949	120	105	15	13	2	53	5	7		11	3
62 Suicide E950-E959	154	141	13	17	2	72	5	13		25	1
63 Homicide and legal intervention E960-E978	53	32	21	3	5	18	6			4	5
64 Other external causes E980-E999	9	8	1	1		3				2	

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OF COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1988
PLANNING DISTRICT 8 (continued)

Cause of Death	Alexandria		Fairfax City		Falls Church		Manassas		Manassas Park	
	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	607	179	137	9	63	4	123	14	29	2
1 Shigellosis and amebiasis 004-006										
2 Certain other intestinal infections .. 007-009										
3 Tuberculosis, all forms 010-018										
4 Whooping cough 033										
5 Streptococcal sore throat, scarlatina and erysipelas 034-035										
6 Meningococcal infection 036										
7 Septicemia 038	5	2					1	1		
8 Acute poliomyelitis 045										
9 Measles 055										
10 Viral hepatitis 070	2									
11 Syphilis 090-097										
12 Other infectious & parasitic diseases										
..... Residual of 001-139										
13 Malignant neoplasms 140-208	146	44	37	1	15	2	31	1	8	
14 Lip, oral cavity and pharynx 140-149	3	1								
15 Digestive organs and peritoneum 150-159	46	7	8	1	4	1	6	1		
16 Respiratory & intrathoracic organs . 160-165	29	16	12		2		10		5	
17 Breast 174-175	20	2	3		2		5			
18 Genital organs 179-187	15	6	4		3		3		1	
19 Urinary organs 188-189	6	2	2				2			
20 Other & unspecified sites .. 170-173,190-199	20	6	6		1	1	4		2	
21 Leukemia 204-208	3		2		2		1			
22 Other neoplasms of lymphatic and hematopoietic tissues 200-203	4	4			1					
23 Benign neoplasms and neoplasms of unspecified nature 210-239	1	2	1				1			
24 Diabetes mellitus 250	8	4	3		2		2	1		1
25 Nutritional deficiencies 260-269	2			1						
26 Anemias 280-285							1			
27 Meningitis 320-322										
28 Major cardiovascular diseases 390-448	251	59	54	4	33	1	46	4	12	
29 Diseases of heart 390-398,402,404-429	191	43	38	3	30		35	4	7	
30 Rheumatic fever and rheumatic heart disease 390-398					1					
31 Hypertensive heart disease 402	1									
32 Hypertensive heart & renal disease ... 404										
33 Ischemic heart disease 410-414	100	15	23		16		20	1	2	
34 Acute myocardial infarction 410	34	6	9		9		11	1	1	
35 Other ischemic heart disease ... 411-414	66	9	14		7		9		1	
36 Other diseases of endocardium 424	3	2								
37 All other forms of heart disease 415-423,425-429	87	26	15	3	13		15	3	5	
38 Hypertension 401,403	1									
39 Cerebrovascular diseases. 430-438	40	12	12	1	3	1	10		4	
40 Atherosclerosis 440	10	1	2							
41 Other diseases of arteries, arterioles, and capillaries 441-448	9	3	2				1		1	
42 Acute bronchitis and bronchiolitis 466										
43 Pneumonia and influenza 480-487	27	2	5		5		7	1		
44 Chronic obstructive pulmonary diseases 490-496	13	6	2	1	3		5			
45 Ulcer of stomach and duodenum 531-533	1									
46 Appendicitis 540-543	1									
47 Hernia & intestinal obstruction .. 550-553,560	1									
48 Chronic liver disease and cirrhosis 571	7	4	4				3		1	
49 Cholelithiasis and other disorders of gall bladder 574-575	3									
50 Nephritis, nephrotic syndrome, and nephrosis 580-589	4	4	1		1				1	
51 Infections of kidney 590										
52 Hyperplasia of prostate 600										
53 Complications of pregnancy, childbirth, and the puerperium 630-676										
54 Congenital anomalies 740-759	6	2					1	1		
55 Certain conditions originating in the perinatal period 760-779	2	6	3				3	1		
56 Symptoms and ill-defined conditions .. 780-799	5	2	3				3			
57 All other diseases Residual	68	19	10		3	1	8		2	
58 Accidents E800-E949	28	10	8	1	3		5	2	3	1
59 Motor vehicle accidents E810-E825	8	2	4		1		3	2	2	1
60 Home accidents (Home) E850-E949	6	4	1		1					
61 All other accidents E800-E807,E826-E849 (Other) E850-E949	14	4	3	1	1		2		1	
62 Suicide E950-E959	7	2	2	1			4	2	1	
63 Homicide and legal intervention E960-E978	5	5	1				1			
64 Other external causes E980-E999	1	1					1			

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1988
PLANNING DISTRICT 9

Cause of Death	Planning District 9			Culpeper		Fauquier	
	Total	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	961	760	201	192	68	283	69
1 Shigellosis and amebiasis 004,006							
2 Certain other intestinal infections .. 007-009							
3 Tuberculosis, all forms 010-018							
4 Whooping cough 033							
5 Streptococcal sore throat, scarlatina and erysipelas 034-035							
6 Meningococcal infection 036							
7 Septicemia 038	16	13	3	1	1	2	1
8 Acute poliomyelitis 045							
9 Measles 055							
10 Viral hepatitis 070							
11 Syphilis 090-097							
12 Other infectious & parasitic diseases Residual of 001-139	3	2	1		1	1	
13 Malignant neoplasms 140-208	202	162	40	31	12	75	10
14 Lip, oral cavity and pharynx 140-149	7	4	3		1	2	2
15 Digestive organs and peritoneum 150-159	43	36	7	5	2	16	1
16 Respiratory & intrathoracic organs .. 160-165	63	50	13	6	2	26	4
17 Breast 174-175	13	9	4		2	8	
18 Genital organs 179-187	19	13	6	3	4	4	1
19 Urinary organs 188-189	14	11	3	4		3	1
20 Other & unspecified sites .. 170-173,190-199	24	21	3	9		8	1
21 Leukemia 204-208	9	8	1	1	1	4	
22 Other neoplasms of lymphatic and hematopoietic tissues 200-203	10	10		3		4	
23 Benign neoplasms and neoplasms of unspecified nature 210-239	1	1					
24 Diabetes mellitus 250	13	10	3	3		2	2
25 Nutritional deficiencies 260-269	1	1				1	
26 Anemias 280-285	2	2		1			
27 Meningitis 320-322	1		1				1
28 Major cardiovascular diseases 390-448	447	349	98	103	31	119	38
29 Diseases of heart 390-398,402,404-429	334	271	63	78	22	98	24
30 Rheumatic fever and rheumatic heart disease 390-398							
31 Hypertensive heart disease 402	5	4	1	2			
32 Hypertensive heart & renal disease ... 404							
33 Ischemic heart disease 410-414	168	133	35	34	10	49	16
34 Acute myocardial infarction 410	96	77	19	18	4	27	10
35 Other ischemic heart disease ... 411-414	72	56	16	16	6	22	6
36 Other diseases of endocardium 424	10	9	1	3		5	
37 All other forms of heart disease 415-423,425-429	151	125	26	39	12	44	8
38 Hypertension 401,403	1		1		1		
39 Cerebrovascular diseases. 430-438	82	59	23	21	6	14	8
40 Atherosclerosis 440	18	10	8	2	1	4	5
41 Other diseases of arteries, arterioles, and capillaries 441-448	12	9	3	2	1	3	1
42 Acute bronchitis and bronchiolitis 466	1	1				1	
43 Pneumonia and influenza 480-487	37	28	9	7	6	8	2
44 Chronic obstructive pulmonary diseases 490-496	30	28	2	3		12	1
45 Ulcer of stomach and duodenum 531-533							
46 Appendicitis 540-543							
47 Hernia & intestinal obstruction .. 550-553,560	1		1				1
48 Chronic liver disease and cirrhosis 571	7	5	2	2		2	1
49 Cholelithiasis and other disorders of gall bladder 574-575							
50 Nephritis, nephrotic syndrome, and nephrosis 580-589	11	10	1	2		4	1
51 Infections of kidney 590							
52 Hyperplasia of prostate 600	1	1					
53 Complications of pregnancy, childbirth, and the puerperium 630-676							
54 Congenital anomalies 740-759	7	5	2	2	1	1	
55 Certain conditions originating in the perinatal period 760-779	3	2	1		1	2	
56 Symptoms and ill-defined conditions .. 780-799	3	3		1			
57 All other diseases Residual	90	69	21	19	7	21	8
58 Accidents E800-E949	62	50	12	11	6	23	3
59 Motor vehicle accidents E810-E825	38	29	9	4	4	15	3
60 Home accidents (Home) E850-E949	7	5	2	3	1	1	
61 All other accidents E800-E807,E826-E849 (Other) E850-E949	17	16	1	4	1	7	
62 Suicide E950-E959	15	14	1	4		7	
63 Homicide and legal intervention E960-E978	7	4	3	2	2	2	
64 Other external causes E980-E999							

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1988
PLANNING DISTRICT 9 (continued)

Cause of Death	Madison		Orange		Rappahannock	
	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	87	28	138	32	60	4
1 Shigellosis and amebiasis 004-006						
2 Certain other intestinal infections .. 007-009						
3 Tuberculosis, all forms 010-018						
4 Whooping cough 033						
5 Streptococcal sore throat, scarlatina and erysipelas 034-035						
6 Meningococcal infection 036						
7 Septicemia 038	1	1	8		1	
8 Acute poliomyelitis 045						
9 Measles 055						
10 Viral hepatitis 070						
11 Syphilis 090-097						
12 Other infectious & parasitic diseases						
..... Residual of 001-139					1	
13 Malignant neoplasms 140-208	20	9	30	9	6	
14 Lip, oral cavity and pharynx 140-149			1		1	
15 Digestive organs and peritoneum 150-159	6	1	7	3	2	
16 Respiratory & intrathoracic organs . 160-165	7	3	8	4	3	
17 Breast 174-175		1	1	1		
18 Genital organs 179-187	3	1	3			
19 Urinary organs 188-189		2	4			
20 Other & unspecified sites .. 170-173,190-199	2	1	2	1		
21 Leukemia 204-208			3			
22 Other neoplasms of lymphatic and hematopoietic tissues 200-203	2		1			
23 Benign neoplasms and neoplasms of unspecified nature 210-239					1	
24 Diabetes mellitus 250	1	1	3		1	
25 Nutritional deficiencies 260-269						
26 Anemias 280-285			1			
27 Meningitis 320-322						
28 Major cardiovascular diseases 390-448	37	9	54	17	36	3
29 Diseases of heart 390-398,402,404-429	28	7	43	8	24	2
30 Rheumatic fever and rheumatic heart disease 390-398						
31 Hypertensive heart disease 402			2	1		
32 Hypertensive heart & renal disease ... 404						
33 Ischemic heart disease 410-414	11	5	24	3	15	1
34 Acute myocardial infarction 410	9	2	14	2	9	1
35 Other ischemic heart disease 411-414	2	3	10	1	6	
36 Other diseases of endocardium 424		1	1			
37 All other forms of heart disease						
..... 415-423,425-429	17	1	16	4	9	1
38 Hypertension 401,403						
39 Cerebrovascular diseases. 430-438	6	2	9	7	9	
40 Atherosclerosis 440	2		1	2	1	
41 Other diseases of arteries, arterioles, and capillaries 441-448	1		1		2	1
42 Acute bronchitis and bronchiolitis 466						
43 Pneumonia and influenza 480-487	5		5	1	3	
44 Chronic obstructive pulmonary diseases 490-496	3		9		1	1
45 Ulcer of stomach and duodenum 531-533						
46 Appendicitis 540-543						
47 Hernia & intestinal obstruction .. 550-553,560						
48 Chronic liver disease and cirrhosis 571		1			1	
49 Cholelithiasis and other disorders of gall bladder 574-575						
50 Nephritis, nephrotic syndrome, and nephrosis 580-589	3		1			
51 Infections of kidney 590						
52 Hyperplasia of prostate 600			1			
53 Complications of pregnancy, childbirth, and the puerperium 630-676						
54 Congenital anomalies 740-759	1	1	1			
55 Certain conditions originating in the perinatal period 760-779						
56 Symptoms and ill-defined conditions .. 780-799			2			
57 All other diseases Residual	10	4	11	2	8	
58 Accidents E800-E949	5	1	11	2		
59 Motor vehicle accidents E810-E825	2	1	8	1		
60 Home accidents (Home) E850-E949	1			1		
61 All other accidents E800-E807,E826-E849 (Other) E850-E949	2		3			
62 Suicide E950-E959	1	1	1		1	
63 Homicide and legal intervention E960-E978				1		
64 Other external causes E980-E999						

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1988
PLANNING DISTRICT 10

Cause of Death	Planning District 10			Albemarle		Fluvanna		Greene	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	1,357	1,062	295	376	58	68	30	73	7
1 Shigellosis and amebiasis 004-006									
2 Certain other intestinal infections .. 007-009									
3 Tuberculosis, all forms 010-018									
4 Whooping cough 033									
5 Streptococcal sore throat, scarlatina and erysipelas 034-035									
6 Meningococcal infection 036	2	2				1			
7 Septicemia 038	25	17	8	5	1	2	3	1	
8 Acute poliomyelitis 045									
9 Measles 055									
10 Viral hepatitis 070	1		1						
11 Syphilis 090-097	1	1							
12 Other infectious & parasitic diseases Residual of 001-139	15	8	7	6	3				
13 Malignant neoplasms 140-208	318	256	62	97	13	19	3	23	2
14 Lip, oral cavity and pharynx 140-149	5	5		2		1			
15 Digestive organs and peritoneum 150-159	72	56	16	16	3	5	1	9	1
16 Respiratory & intrathoracic organs .. 160-165	74	60	14	23	3	7	1	6	
17 Breast 174-175	29	25	4	14	3	2			
18 Genital organs 179-187	44	29	15	12	2	1	1	1	
19 Urinary organs 188-189	10	9	1	3	1			1	
20 Other & unspecified sites .. 170-173, 190-199	65	56	9	20	1	1		3	1
21 Leukemia 204-208	10	9	1	3				3	
22 Other neoplasms of lymphatic and hematopoietic tissues 200-203	9	7	2	4		2			
23 Benign neoplasms and neoplasms of unspecified nature 210-239	8	7	1	3		1		1	
24 Diabetes mellitus 250	21	13	8	7		1	1		
25 Nutritional deficiencies 260-269									
26 Anemias 280-285	2	1	1						
27 Meningitis 320-322									
28 Major cardiovascular diseases 390-448	570	441	129	147	30	21	15	25	5
29 Diseases of heart 390-398, 402, 404-429	423	329	94	113	24	18	10	19	4
30 Rheumatic fever and rheumatic heart disease 390-398	2	1	1						
31 Hypertensive heart disease 402	7	5	2	1	1			1	
32 Hypertensive heart & renal disease ... 404									
33 Ischemic heart disease 410-414	252	207	45	68	16	14	3	13	2
34 Acute myocardial infarction 410	141	116	25	42	8	6	2	10	
35 Other ischemic heart disease ... 411-414	111	91	20	26	8	8	1	3	2
36 Other diseases of endocardium 424	9	6	3	3					
37 All other forms of heart disease 415-423, 425-429	153	110	43	41	7	4	7	5	2
38 Hypertension 401, 403	4	2	2	1			1		
39 Cerebrovascular diseases. 430-438	113	88	25	23	4	2	4	4	1
40 Atherosclerosis 440	20	14	6	6				2	
41 Other diseases of arteries, arterioles, and capillaries 441-448	10	8	2	4	2	1			
42 Acute bronchitis and bronchiolitis 466	1	1							
43 Pneumonia and influenza 480-487	53	41	12	9	2	2	1	1	
44 Chronic obstructive pulmonary diseases 490-496	43	38	5	14	1	2		5	
45 Ulcer of stomach and duodenum 531-533	2	2		1					
46 Appendicitis 540-543	2	2		1					
47 Hernia & intestinal obstruction .. 550-553, 560	1		1						
48 Chronic liver disease and cirrhosis 571	14	10	4	3					
49 Cholelithiasis and other disorders of gall bladder 574-575	1	1							
50 Nephritis, nephrotic syndrome, and nephrosis 580-589	12	9	3	4	1		1		
51 Infections of kidney 590									
52 Hyperplasia of prostate 600	1	1							
53 Complications of pregnancy, childbirth, and the puerperium 630-676									
54 Congenital anomalies 740-759	7	5	2	2	1	1			
55 Certain conditions originating in the perinatal period 760-779	10	6	4	1		2		1	
56 Symptoms and ill-defined conditions .. 780-799	14	11	3	5					
57 All other diseases Residual	128	103	25	38	5	8	4	5	
58 Accidents E800-E949	71	59	12	20		6	2	11	
59 Motor vehicle accidents E810-E825	47	39	8	16		4	1	7	
60 Home accidents (Home) E850-E949	10	8	2	1		1		1	
61 All other accidents E800-E807, E826-E849 (Other) E850-E949	14	12	2	3		1	1	3	
62 Suicide E950-E959	24	24		12		2			
63 Homicide and legal intervention E960-E978	10	3	7	1	1				
64 Other external causes E980-E999									

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1988
PLANNING DISTRICT 10 (continued)

Cause of Death	Louisa		Nelson		Charlottesville	
	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	135	62	120	47	290	91
1 Shigellosis and amebiasis 004-006						
2 Certain other intestinal infections .. 007-009						
3 Tuberculosis, all forms 010-018						
4 Whooping cough 033						
5 Streptococcal sore throat, scarlatina and erysipelas 034-035						
6 Meningococcal infection 036	1					
7 Septicemia 038	2	1	1	3	6	
8 Acute poliomyelitis 045						
9 Measles 055						
10 Viral hepatitis 070						1
11 Syphilis 090-097			1			
12 Other infectious & parasitic diseases						
..... Residual of 001-139	1			1	1	3
13 Malignant neoplasms 140-208	34	14	31	12	52	18
14 Lip, oral cavity and pharynx 140-149			1		1	
15 Digestive organs and peritoneum 150-159	7	2	6	4	13	5
16 Respiratory & intrathoracic organs . 160-165	10	1	8	3	6	6
17 Breast 174-175	3		4		2	1
18 Genital organs 179-187	2	6	5	4	8	2
19 Urinary organs 188-189	2		1		2	
20 Other & unspecified sites .. 170-173, 190-199	10	3	4	1	18	3
21 Leukemia 204-208			2		1	1
22 Other neoplasms of lymphatic and hematopoietic tissues 200-203		2			1	
23 Benign neoplasms and neoplasms of unspecified nature 210-239	1			1	1	
24 Diabetes mellitus 250	2			3	3	4
25 Nutritional deficiencies 260-269						
26 Anemias 280-285		1			1	
27 Meningitis 320-322						
28 Major cardiovascular diseases 390-448	57	28	51	17	140	34
29 Diseases of heart 390-398, 402, 404-429	45	19	39	16	95	21
30 Rheumatic fever and rheumatic heart disease 390-398		1			1	
31 Hypertensive heart disease 402				1	3	
32 Hypertensive heart & renal disease ... 404						
33 Ischemic heart disease 410-414	25	8	23	10	64	6
34 Acute myocardial infarction 410	10	5	12	5	36	5
35 Other ischemic heart disease ... 411-414	15	3	11	5	28	1
36 Other diseases of endocardium 424	1	2	1		1	1
37 All other forms of heart disease						
..... 415-423, 425-429	19	8	15	5	26	14
38 Hypertension 401, 403			1			1
39 Cerebrovascular diseases. 430-438	9	7	11	1	39	8
40 Atherosclerosis 440	1	2			5	4
41 Other diseases of arteries, arterioles, and capillaries 441-448	2				1	
42 Acute bronchitis and bronchiolitis 466			1			
43 Pneumonia and influenza 480-487	8	4	6	2	15	3
44 Chronic obstructive pulmonary diseases 490-496	4	2	4		9	2
45 Ulcer of stomach and duodenum 531-533					1	
46 Appendicitis 540-543	1					
47 Hernia & intestinal obstruction .. 550-553, 560						1
48 Chronic liver disease and cirrhosis 571	1	1	2	1	4	2
49 Cholelithiasis and other disorders of gall bladder 574-575			1			
50 Nephritis, nephrotic syndrome, and nephrosis 580-589			1		4	1
51 Infections of kidney 590						
52 Hyperplasia of prostate 600					1	
53 Complications of pregnancy, childbirth, and the puerperium 630-676						
54 Congenital anomalies 740-759					2	1
55 Certain conditions originating in the perinatal period 760-779	1	1		1	1	2
56 Symptoms and ill-defined conditions .. 780-799	2		2		2	3
57 All other diseases Residual	8	4	11	3	33	9
58 Accidents E800-E949	7	5	8	2	7	3
59 Motor vehicle accidents E810-E825	4	4	5	1	3	2
60 Home accidents (Home) E850-E949	1		1	1	3	1
61 All other accidents E800-E807, E826-E849 (Other) E850-E949	2	1	2		1	
62 Suicide E950-E959	4				6	
63 Homicide and legal intervention E960-E978	1	1		1	1	4
64 Other external causes E980-E999						

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1988
PLANNING DISTRICT 11

Cause of Death	Planning District 11			Amherst		Appomattox		Bedford	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	1,978	1,562	416	205	63	99	32	302	39
1 Shigellosis and amebiasis ... 004-006									
2 Certain other intestinal infections .. 007-009									
3 Tuberculosis, all forms 010-018									
4 Whooping cough 033									
5 Streptococcal sore throat, scarlatina and erysipelas 034-035									
6 Meningococcal infection 036									
7 Septicemia 038	20	15	5		2	2	1	5	1
8 Acute poliomyelitis 045									
9 Measles 055									
10 Viral hepatitis 070									
11 Syphilis 090-097									
12 Other infectious & parasitic diseases Residual of 001-139									
13 Malignant neoplasms 140-208	431	329	102	36	13	19	6	68	13
14 Lip, oral cavity and pharynx 140-149	10	7	3	1				1	
15 Digestive organs and peritoneum 150-159	98	73	25	6	3	6	2	13	5
16 Respiratory & intrathoracic organs .. 160-165	115	88	27	10	4	5		18	4
17 Breast 174-175	48	40	8	6	1	1	1	10	1
18 Genital organs 179-187	45	33	12	4	2	3	2	6	1
19 Urinary organs 188-189	15	13	2	2		1		1	
20 Other & unspecified sites .. 170-173, 190-199	53	42	11	5	2	1	1	12	1
21 Leukemia 204-208	15	10	5	1				3	1
22 Other neoplasms of lymphatic and hematopoietic tissues 200-203	32	23	9	1	1	2		4	
23 Benign neoplasms and neoplasms of unspecified nature 210-239	3	3							
24 Diabetes mellitus 250	32	27	5	6	2	2		4	1
25 Nutritional deficiencies 260-269	2	1	1		1				
26 Anemias 280-285	5	4	1	2			1		
27 Meningitis 320-322									
28 Major cardiovascular diseases 390-448	916	722	194	107	29	46	19	125	18
29 Diseases of heart 390-398, 402, 404-429	697	554	143	83	23	41	16	88	11
30 Rheumatic fever and rheumatic heart disease 390-398	2	1	1						
31 Hypertensive heart disease 402	15	9	6	1	1	1	1	1	
32 Hypertensive heart & renal disease ... 404	2	2		1					
33 Ischemic heart disease 410-414	425	341	84	53	12	32	13	49	7
34 Acute myocardial infarction 410	223	186	37	42	6	17	3	26	2
35 Other ischemic heart disease ... 411-414	202	155	47	11	6	15	10	23	5
36 Other diseases of endocardium 424	10	10		1				3	
37 All other forms of heart disease 415-423, 425-429	243	191	52	27	10	8	2	35	4
38 Hypertension 401, 403	7	3	4						2
39 Cerebrovascular diseases. 430-438	170	130	40	18	6	4	2	30	5
40 Atherosclerosis 440	13	11	2	1		1	1	4	
41 Other diseases of arteries, arterioles, and capillaries 441-448	29	24	5	5				3	
42 Acute bronchitis and bronchiolitis 466									
43 Pneumonia and influenza 480-487	94	83	11	12	3	6		18	
44 Chronic obstructive pulmonary diseases 490-496	67	60	7	7	1	5		12	1
45 Ulcer of stomach and duodenum 531-533	6	4	2	2	1			1	
46 Appendicitis 540-543	1	1		1					
47 Hernia & intestinal obstruction .. 550-553, 560	7	6	1			1		1	
48 Chronic liver disease and cirrhosis 571	28	22	6	2	2			5	
49 Cholelithiasis and other disorders of gall bladder 574-575	3	2	1				1		
50 Nephritis, nephrotic syndrome, and nephrosis 580-589	10	5	5						
51 Infections of kidney 590	1	1						1	
52 Hyperplasia of prostate 600									
53 Complications of pregnancy, childbirth, and the puerperium 630-676									
54 Congenital anomalies 740-759	9	5	4						1
55 Certain conditions originating in the perinatal period 760-779	12	7	5		1	1	1	2	1
56 Symptoms and ill-defined conditions .. 780-799	17	15	2	2	1	2		5	
57 All other diseases Residual	189	156	33	20	3	9	3	28	
58 Accidents E800-E949	81	62	19	5	3	3		14	1
59 Motor vehicle accidents E810-E825	36	28	8	1	3			7	
60 Home accidents (Home) E850-E949	14	9	5	2				2	1
61 All other accidents E800-E807, E826-E849 (Other) E850-E949	31	25	6	2		3		5	
62 Suicide E950-E959	23	17	6	1	1	1		8	
63 Homicide and legal intervention E960-E978	12	8	4	1				4	1
64 Other external causes E980-E999									

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1988
PLANNING DISTRICT 11 (continued)

Cause of Death	Campbell		Bedford City		Lynchburg	
	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	275	73	93	18	588	191
1 Shigellosis and amebiasis 004-006						
2 Certain other intestinal infections .. 007-009						
3 Tuberculosis, all forms 010-018						
4 Whooping cough 033						
5 Streptococcal sore throat, scarlatina and erysipelas 034-035						
6 Meningococcal infection 036						
7 Septicemia 038	3	1	2		3	
8 Acute poliomyelitis 045						
9 Measles 055						
10 Viral hepatitis 070						
11 Syphilis 090-097						
12 Other infectious & parasitic diseases Residual of 001-139	1				2	1
13 Malignant neoplasms 140-208	64	17	17	5	125	48
14 Lip, oral cavity and pharynx 140-149	1				4	3
15 Digestive organs and peritoneum 150-159	15	2	5	1	28	12
16 Respiratory & intrathoracic organs .. 160-165	19	8	5	2	31	9
17 Breast 174-175	5		1		17	5
18 Genital organs 179-187	5	2	2		13	5
19 Urinary organs 188-189	4				5	2
20 Other & unspecified sites .. 170-173, 190-199	8	2	1		15	5
21 Leukemia 204-208	2	1	1	1	3	2
22 Other neoplasms of lymphatic and hematopoietic tissues 200-203	5	2	2	1	9	5
23 Benign neoplasms and neoplasms of unspecified nature 210-239	1		1		1	
24 Diabetes mellitus 250	6		1		8	2
25 Nutritional deficiencies 260-269					1	
26 Anemias 280-285	1				1	
27 Meningitis 320-322						
28 Major cardiovascular diseases 390-448	124	32	37	7	283	89
29 Diseases of heart 390-398, 402, 404-429	104	21	26	4	212	68
30 Rheumatic fever and rheumatic heart disease 390-398	1					1
31 Hypertensive heart disease 402	3	1		1	3	2
32 Hypertensive heart & renal disease ... 404					1	
33 Ischemic heart disease 410-414	56	11	16	2	135	39
34 Acute myocardial infarction 410	25	3	10	1	66	22
35 Other ischemic heart disease ... 411-414	31	8	6	1	69	17
36 Other diseases of endocardium 424	1				5	
37 All other forms of heart disease 415-423, 425-429	43	9	10	1	68	26
38 Hypertension 401, 403					3	2
39 Cerebrovascular diseases. 430-438	19	10	9	3	50	14
40 Atherosclerosis 440					5	1
41 Other diseases of arteries, arterioles, and capillaries 441-448	1	1	2		13	4
42 Acute bronchitis and bronchiolitis 466						
43 Pneumonia and influenza 480-487	9	4	10		28	4
44 Chronic obstructive pulmonary diseases 490-496	4	2	3	1	29	2
45 Ulcer of stomach and duodenum 531-533	1					1
46 Appendicitis 540-543						
47 Hernia & intestinal obstruction .. 550-553, 560	1	1	1		2	
48 Chronic liver disease and cirrhosis 571	7	1	1		7	3
49 Cholelithiasis and other disorders of gall bladder 574-575			1		1	
50 Nephritis, nephrotic syndrome, and nephrosis 580-589		1			4	4
51 Infections of kidney 590					1	
52 Hyperplasia of prostate 600						
53 Complications of pregnancy, childbirth, and the puerperium 630-676						
54 Congenital anomalies 740-759	3	1			2	2
55 Certain conditions originating in the perinatal period 760-779			1		3	2
56 Symptoms and ill-defined conditions .. 780-799	1		1		4	1
57 All other diseases Residual	29	5	12	4	58	18
58 Accidents E800-E949	17	6	5	1	18	8
59 Motor vehicle accidents E810-E825	10	2	4		6	3
60 Home accidents (Home) E850-E949	1	1		1	4	2
61 All other accidents E800-E807, E826-E849 (Other) E850-E949	6	3	1		8	3
62 Suicide E950-E959	2	2			5	3
63 Homicide and legal intervention E960-E978	1				2	3
64 Other external causes E980-E999						

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1988
PLANNING DISTRICT 12

Cause of Death	Planning District 12			Franklin		Henry		Patrick	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	2,351	1,796	555	278	35	329	91	151	13
1 Shigellosis and amebiasis 004-006									
2 Certain other intestinal infections .. 007-009									
3 Tuberculosis, all forms 010-018	4	1	3	1	1				
4 Whooping cough 033									
5 Streptococcal sore throat, scarlatina and erysipelas 034-035									
6 Meningococcal infection 036	2	1	1					1	
7 Septicemia 038	19	12	7	4		1	1	1	
8 Acute poliomyelitis 045									
9 Measles 055									
10 Viral hepatitis 070	2	2				1			
11 Syphilis 090-097									
12 Other infectious & parasitic diseases									
..... Residual of 001-139	10	7	3		1	1		1	
13 Malignant neoplasms 140-208	526	401	125	59	8	71	25	35	2
14 Lip, oral cavity and pharynx 140-149	7	4	3	1	1				
15 Digestive organs and peritoneum 150-159	104	73	31	12	4	10	4	7	
16 Respiratory & intrathoracic organs . 160-165	170	138	32	23	2	26	6	12	1
17 Breast 174-175	51	38	13	7	1	6	3	1	
18 Genital organs 179-187	52	39	13	3		6	4	4	
19 Urinary organs 188-189	16	14	2	1		3		1	
20 Other & unspecified sites .. 170-173, 190-199	71	54	17	6		11	3	5	1
21 Leukemia 204-208	24	18	6	3		4	1	2	
22 Other neoplasms of lymphatic and hematopoietic tissues 200-203	31	23	8	3		5	4	3	
23 Benign neoplasms and neoplasms of unspecified nature 210-239	4	3	1	1		1			
24 Diabetes mellitus 250	47	33	14	8		3	3	1	3
25 Nutritional deficiencies 260-269	3	2	1	1					
26 Anemias 280-285	7	5	2				1	1	
27 Meningitis 320-322									
28 Major cardiovascular diseases 390-448	1,039	800	239	124	9	144	31	63	5
29 Diseases of heart 390-398, 402, 404-429	816	642	174	95	3	116	20	50	4
30 Rheumatic fever and rheumatic heart disease 390-398	5	4	1					2	
31 Hypertensive heart disease 402	25	16	9	1		5	2		1
32 Hypertensive heart & renal disease ... 404	2	1	1						
33 Ischemic heart disease 410-414	514	411	103	56	2	84	10	24	1
34 Acute myocardial infarction 410	263	210	53	31	2	36	7	17	
35 Other ischemic heart disease ... 411-414	251	201	50	25		48	3	7	1
36 Other diseases of endocardium 424	12	11	1	3		2	1	1	
37 All other forms of heart disease 415-423, 425-429	258	199	59	35	1	25	7	23	2
38 Hypertension 401, 403	7	3	4	1		1	1		
39 Cerebrovascular diseases. 430-438	180	127	53	23	5	22	8	10	
40 Atherosclerosis 440	11	9	2	3		2		2	
41 Other diseases of arteries, arterioles, and capillaries 441-448	25	19	6	2	1	3	2	1	1
42 Acute bronchitis and bronchiolitis 466									
43 Pneumonia and influenza 480-487	97	77	20	8	2	15	3	5	
44 Chronic obstructive pulmonary diseases 490-496	96	86	10	10	1	15		9	
45 Ulcer of stomach and duodenum 531-533	6	6				3		1	
46 Appendicitis 540-543									
47 Hernia & intestinal obstruction .. 550-553, 560	6	5	1			1		1	
48 Chronic liver disease and cirrhosis 571	31	23	8	4	1	9	1	1	
49 Cholelithiasis and other disorders of gall bladder 574-575	3	3		2					
50 Nephritis, nephrotic syndrome, and nephrosis 580-589	19	12	7	2	1	1	2	1	1
51 Infections of kidney 590	3	1	2	1	1		1		
52 Hyperplasia of prostate 600									
53 Complications of pregnancy, childbirth, and the puerperium 630-676	1		1						
54 Congenital anomalies 740-759	13	7	6	2	1	2	1	1	
55 Certain conditions originating in the perinatal period 760-779	15	7	8	1	1	1	2		1
56 Symptoms and ill-defined conditions .. 780-799	29	17	12	6		3	4		1
57 All other diseases Residual	197	154	43	24	4	22	7	14	
58 Accidents E800-E949	111	81	30	12	4	21	5	11	
59 Motor vehicle accidents E810-E825	50	37	13	5	1	11	1	6	
60 Home accidents (Home) E850-E949	22	13	9	2	2	2	1	2	
61 All other accidents E800-E807, E826-E849 (Other) E850-E949	39	31	8	5	1	8	3	3	
62 Suicide E950-E959	37	35	2	5		12	1	3	
63 Homicide and legal intervention E960-E978	23	14	9	3		2	3	1	
64 Other external causes E980-E999	1	1							

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1968
PLANNING DISTRICT 12 (continued)

Cause of Death	Pittsylvania		Danville		Martinsville	
	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	407	136	486	204	143	76
1 Shigellosis and amebiasis 004-006						
2 Certain other intestinal infections .. 007-009						
3 Tuberculosis, all forms 010-018				2		
4 Whooping cough 033						
5 Streptococcal sore throat, scarlatina and erysipelas 034-035						
6 Meningococcal infection 036				1		
7 Septicemia 038	1		2	3	3	3
8 Acute poliomyelitis 045						
9 Measles 055						
10 Viral hepatitis 070			1			
11 Syphilis 090-097						
12 Other infectious & parasitic diseases						
..... Residual of 001-139	4	1	1	1		
13 Malignant neoplasms 140-208	97	36	108	44	31	10
14 Lip, oral cavity and pharynx 140-149	1	1	2			1
15 Digestive organs and peritoneum 150-159	17	7	22	11	5	5
16 Respiratory & intrathoracic organs . 160-165	30	10	36	10	11	3
17 Breast 174-175	7	3	14	6	3	
18 Genital organs 179-187	14	4	8	4	4	1
19 Urinary organs 188-189	4	2	5			
20 Other & unspecified sites .. 170-173,190-199	13	4	14	9	5	
21 Leukemia 204-208	6	3	3	2		
22 Other neoplasms of lymphatic and hematopoietic tissues 200-203	5	2	4	2	3	
23 Benign neoplasms and neoplasms of unspecified nature 210-239			1	1		
24 Diabetes mellitus 250	13	1	5	6	3	1
25 Nutritional deficiencies 260-269	1			1		
26 Anemias 280-285	2		1	1	1	
27 Meningitis 320-322						
28 Major cardiovascular diseases 390-448	182	66	221	89	66	39
29 Diseases of heart 390-398,402,404-429	143	42	187	79	51	26
30 Rheumatic fever and rheumatic heart disease 390-398			2	1		
31 Hypertensive heart disease 402	5	2	2	3	3	1
32 Hypertensive heart & renal disease ... 404			1	1		
33 Ischemic heart disease 410-414	104	21	115	53	28	16
34 Acute myocardial infarction 410	60	8	58	28	8	8
35 Other ischemic heart disease ... 411-414	44	13	57	25	20	8
36 Other diseases of endocardium 424	2		2		1	
37 All other forms of heart disease						
..... 415-423,425-429	32	19	65	21	19	9
38 Hypertension 401,403	1	2				1
39 Cerebrovascular diseases. 430-438	29	21	28	8	15	11
40 Atherosclerosis 440	2	1		1		
41 Other diseases of arteries, arterioles, and capillaries 441-448	7		6	1		1
42 Acute bronchitis and bronchiolitis 466						
43 Pneumonia and influenza 480-487	20	6	25	5	4	4
44 Chronic obstructive pulmonary diseases 480-496	15	3	31	4	6	2
45 Ulcer of stomach and duodenum 530-533			1		1	
46 Appendicitis 540-543						
47 Hernia & intestinal obstruction .. 550-553,560			2	1	1	
48 Chronic liver disease and cirrhosis 571	3	1	6	3		2
49 Cholelithiasis and other disorders of gall bladder 574-575			1			
50 Nephritis, nephrotic syndrome, and nephrosis 580-589	3		4	2	1	1
51 Infections of kidney 590						
52 Hyperplasia of prostate 600						
53 Complications of pregnancy, childbirth, and the puerperium 630-676				1		
54 Congenital anomalies 740-759	1		1	4		
55 Certain conditions originating in the perinatal period 760-779	3	1		3	2	
56 Symptoms and ill-defined conditions .. 780-799	1	2	6	1	1	4
57 All other diseases Residual	39	8	43	19	12	5
58 Accidents E800-E949	12	8	16	9	9	4
59 Motor vehicle accidents E810-E823	8	6	4	3	3	2
60 Home accidents (Home) E850-E949	1	1	5	3	1	2
61 All other accidents E800-E807,E826-E849 (Other) E850-E949	1	1	7	3	5	
62 Suicide E950-E959	6	1	6		3	
63 Homicide and legal intervention E960-E978	4	2	3	3	1	1
64 Other external causes E980-E999			1			

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1988
PLANNING DISTRICT 13

Cause of Death	Planning District 13			Brunswick		Halifax		Mecklenburg		South Boston	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	1,000	582	418	80	99	212	140	237	142	53	37
1 Shigellosis and amebiasis 004-006											
2 Certain other intestinal infections .. 007-009											
3 Tuberculosis, all forms 010-018											
4 Whooping cough 033											
5 Streptococcal sore throat, scarlatina and erysipelas 034-035											
6 Meningococcal infection 036											
7 Septicemia 038	8	3	5		4	1		1	1	1	
8 Acute poliomyelitis 045											
9 Measles 055											
10 Viral hepatitis 070											
11 Syphilis 090-097											
12 Other infectious & parasitic diseases											
..... Residual of 001-139	6	1	5				1		2	1	2
13 Malignant neoplasms 140-208	219	117	102	15	27	49	32	44	29	9	14
14 Lip, oral cavity and pharynx 140-149	8	3	5	1	1	1	3	1			1
15 Digestive organs and peritoneum 150-159	50	21	29	2	8	5	5	10	11	4	5
16 Respiratory & intrathoracic organs . 160-165	60	31	29	3	8	15	10	11	8	2	3
17 Breast 174-175	19	10	9	1	2	4	3	5	2		2
18 Genital organs 179-187	26	11	15	2	4	4	5	5	5		1
19 Urinary organs 188-189	8	6	2			4	1	1	1	1	
20 Other & unspecified sites .. 170-173,190-199	31	24	7	5	1	12	4	6	1	1	1
21 Leukemia 204-208	9	6	3	1	1	2	1	2		1	1
22 Other neoplasms of lymphatic and hematopoietic tissues 200-203	8	5	3		2	2		3	1		
23 Benign neoplasms and neoplasms of unspecified nature 210-239	1		1						1		
24 Diabetes mellitus 250	22	9	13	1	5	3	3	4	4	1	1
25 Nutritional deficiencies 260-269	1		1				1				
26 Anemias 280-285	1		1				1				
27 Meningitis 320-322											
28 Major cardiovascular diseases 390-448	452	277	175	44	36	93	71	114	56	26	12
29 Diseases of heart 390-398,402,404-429	347	217	130	34	26	69	50	92	44	22	10
30 Rheumatic fever and rheumatic heart disease 390-398	1		1				1				
31 Hypertensive heart disease 402	11	4	7	1	1	2	3	1	2		1
32 Hypertensive heart & renal disease ... 404	2	1	1			1	1				
33 Ischemic heart disease 410-414	218	135	83	23	14	41	36	55	28	16	5
34 Acute myocardial infarction 410	114	76	38	13	5	23	14	32	17	8	2
35 Other ischemic heart disease ... 411-414	104	59	45	10	9	18	22	23	11	8	3
36 Other diseases of endocardium 424	9	7	2			5		2	2		
37 All other forms of heart disease 415-423,425-429	106	70	36	10	11	20	9	34	12	6	4
38 Hypertension 401,403	2	1	1	1					1		
39 Cerebrovascular diseases. 430-438	89	47	42	7	9	19	21	17	10	4	2
40 Atherosclerosis 440	5	5		1		2		2			
41 Other diseases of arteries, arterioles, and capillaries 441-448	9	7	2	1	1	3		3	1		
42 Acute bronchitis and bronchiolitis 466											
43 Pneumonia and influenza 480-487	55	38	17	3	2	14	10	16	4	5	1
44 Chronic obstructive pulmonary diseases 490-496	22	20	2	3	1	5	1	12			
45 Ulcer of stomach and duodenum 531-533	5	4	1	1		2		1	1		
46 Appendicitis 540-543											
47 Hernia & intestinal obstruction .. 550-553,560	1	1				1					
48 Chronic liver disease and cirrhosis 571	8	6	2	1		2		3	2		
49 Cholelithiasis and other disorders of gall bladder 574-575											
50 Nephritis, nephrotic syndrome, and nephrosis 580-589	14	4	10	1	3	2		1	0		1
51 Infections of kidney 590											
52 Hyperplasia of prostate 600											
53 Complications of pregnancy, childbirth, and the puerperium 630-676											
54 Congenital anomalies 740-759	4	2	2					2	2		
55 Certain conditions originating in the perinatal period 760-779	7	4	3		1			4	1		1
56 Symptoms and ill-defined conditions .. 780-799	8	6	2			5	1	1	1		
57 All other diseases Residual	96	58	38	8	10	24	10	17	16	9	2
58 Accidents E800-E949	52	21	31	3	7	6	9	11	14	1	1
59 Motor vehicle accidents E810-E825	24	12	12	2	3	3	4	6	5	1	
60 Home accidents (Home) E850-E949	7	1	6		1	1	3		2		
61 All other accidents E800-E807,E826-E849 (Other) E850-E949	21	8	13	1	3	2	2	5	7		1
62 Suicide E950-E959	9	8	1			3		5			1
63 Homicide and legal intervention E960-E978	9	3	6		3	2		1	2		1
64 Other external causes E980-E999											

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1988
PLANNING DISTRICT 14

Cause of Death	Planning District 14			Amelia		Buckingham		Charlotte	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	1,055	625	430	61	45	94	64	94	69
1 Shigellosis and amebiasis 004-006									
2 Certain other intestinal infections .. 007-009									
3 Tuberculosis, all forms 010-018	1	1				1			
4 Whooping cough 033									
5 Streptococcal sore throat, scarlatina and erysipelas 034-035									
6 Meningococcal infection 036									
7 Septicemia 038	14	6	8		2	2	2		2
8 Acute poliomyelitis 045									
9 Measles 055									
10 Viral hepatitis 070									
11 Syphilis 090-097									
12 Other infectious & parasitic diseases Residual of 001-139	9	4	5	2			3		
13 Malignant neoplasms 140-208	229	136	93	11	7	17	10	24	16
14 Lip, oral cavity and pharynx 140-149	6	3	3					1	
15 Digestive organs and peritoneum 150-159	45	30	15	1	2	6	2	2	1
16 Respiratory & intrathoracic organs . 160-165	79	49	30	2	3	6	3	10	6
17 Breast 174-175	17	13	4	1		2	1	2	
18 Genital organs 179-187	33	14	19	1		1	3	3	4
19 Urinary organs 188-189	4	4				1			
20 Other & unspecified sites .. 170-173, 190-199	30	14	16	6	1	1	1	2	3
21 Leukemia 204-208	9	3	6		1			1	2
22 Other neoplasms of lymphatic and hematopoietic tissues 200-203	6	6						3	
23 Benign neoplasms and neoplasms of unspecified nature 210-239	3	1	2			1			
24 Diabetes mellitus 250	12	7	5	3	1	1			2
25 Nutritional deficiencies 260-269	2	1	1						
26 Anemias 280-285	3	1	2					1	1
27 Meningitis 320-322	3	1	2				1		
28 Major cardiovascular diseases 390-448	448	283	165	33	18	45	21	36	24
29 Diseases of heart 390-398, 402, 404-429	351	221	130	27	17	34	15	30	20
30 Rheumatic fever and rheumatic heart disease 390-398	1	1		1					
31 Hypertensive heart disease 402	13	4	9	1	2				1
32 Hypertensive heart & renal disease ... 404									
33 Ischemic heart disease 410-414	210	145	65	18	9	19	5	23	8
34 Acute myocardial infarction 410	127	89	38	11	5	13	4	15	7
35 Other ischemic heart disease ... 411-414	83	56	27	7	4	6	1	8	1
36 Other diseases of endocardium 424	7	4	3		1	1	1		1
37 All other forms of heart disease 415-423, 425-429	120	67	53	7	5	14	9	7	10
38 Hypertension 401, 403	4	2	2						
39 Cerebrovascular diseases. 430-438	82	55	27	6	1	10	4	5	3
40 Atherosclerosis 440	5	3	2			1	1	1	
41 Other diseases of arteries, arterioles, and capillaries 441-448	6	2	4				1		1
42 Acute bronchitis and bronchiolitis 466									
43 Pneumonia and influenza 480-487	49	28	21	2	3	5	3	9	3
44 Chronic obstructive pulmonary diseases 490-496	38	26	12	3	2	1	4	2	2
45 Ulcer of stomach and duodenum 531-533	7	4	3	1				2	1
46 Appendicitis 540-543									
47 Hernia & intestinal obstruction .. 550-553, 560	5	3	2					1	1
48 Chronic liver disease and cirrhosis 571	1	8	3			1		2	
49 Cholelithiasis and other disorders of gall bladder 574-575	2	2						1	
50 Nephritis, nephrotic syndrome, and nephrosis 580-589	19	10	9	1	1		3	2	2
51 Infections of kidney 590									
52 Hyperplasia of prostate 600									
53 Complications of pregnancy, childbirth, and the puerperium 630-676									
54 Congenital anomalies 740-759	6	4	2		1				
55 Certain conditions originating in the perinatal period 760-779	6	1	5		1		1		1
56 Symptoms and ill-defined conditions .. 780-799	7	5	2				1	2	
57 All other diseases Residual	95	56	39	2	5	13	7	8	5
58 Accidents E800-E949	57	24	33	1	3	6	6	3	7
59 Motor vehicle accidents E810-E825	24	11	13	1	3	2	1	1	1
60 Home accidents (Home) E850-E949	14	2	12			1	2		5
61 All other accidents E800-E807, E826-E849 (Other) E850-E949	19	11	8			3	3	2	1
62 Suicide E950-E959	18	12	6	2		1		1	
63 Homicide and legal intervention E960-E978	11	1	10		1		1		2
64 Other external causes E980-E999									

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1988
PLANNING DISTRICT 14 (continued)

Cause of Death	Cumberland		Lunenburg		Nottoway		Prince Edward	
	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	53	42	93	52	141	79	89	69
1 Shigellosis and amebiasis 004-006								
2 Certain other intestinal infections .. 007-009								
3 Tuberculosis, all forms 010-018								
4 Whooping cough 033								
5 Streptococcal sore throat, scarlatina and erysipelas 034-035								
6 Meningococcal infection 036								
7 Septicemia 038					3	2	1	
8 Acute poliomyelitis 045								
9 Measles 055								
10 Viral hepatitis 070								
11 Syphilis 090-097								
12 Other infectious & parasitic diseases								
..... Residual of 001-139		1	2	1				
13 Malignant neoplasms 140-208	15	12	26	13	29	19	14	16
14 Lip, oral cavity and pharynx 140-149			1	1	1			2
15 Digestive organs and peritoneum 150-159	3	1	5	2	10	3	3	4
16 Respiratory & intrathoracic organs .. 160-165	5	3	10	4	11	6	5	3
17 Breast 174-175	2	1	4	2	1		1	
18 Genital organs 179-187	3	3	3	1	3	4		4
19 Urinary organs 188-189	1		1				1	
20 Other & unspecified sites .. 170-173,190-199	1	2	2	2	1	5	1	2
21 Leukemia 204-208			1	1	1	1	1	1
22 Other neoplasms of lymphatic and hematopoietic tissues 200-203					1		2	
23 Benign neoplasms and neoplasms of unspecified nature 210-239				1				1
24 Diabetes mellitus 250	1	1			1	1	1	
25 Nutritional deficiencies 260-269							1	1
26 Anemias 280-285				1				
27 Meningitis 320-322			1					1
28 Major cardiovascular diseases 390-448	21	16	41	27	62	36	45	23
29 Diseases of heart 390-398,402,404-429	17	14	32	21	49	25	32	17
30 Rheumatic fever and rheumatic heart disease 390-398								
31 Hypertensive heart disease 402	1	3	1	2	1	1		
32 Hypertensive heart & renal disease ... 404								
33 Ischemic heart disease 410-414	12	7	22	14	30	14	21	8
34 Acute myocardial infarction 410	7	6	11	3	21	9	11	4
35 Other ischemic heart disease ... 411-414	5	1	11	11	9	5	10	4
36 Other diseases of endocardium 424			1		1		1	
37 All other forms of heart disease								
..... 415-423,425-429	4	4	8	5	17	11	10	9
38 Hypertension 401,403				1	2			1
39 Cerebrovascular diseases. 430-438	4	2	9	5	11	7	10	5
40 Atherosclerosis 440						1	1	
41 Other diseases of arteries, arterioles, and capillaries 441-448						2	2	
42 Acute bronchitis and bronchiolitis 466								
43 Pneumonia and influenza 480-487		2	4	3	5	2	3	5
44 Chronic obstructive pulmonary diseases 490-496	4		4		8	2	4	2
45 Ulcer of stomach and duodenum 531-533		1	1			1		
46 Appendicitis 540-543								
47 Hernia & intestinal obstruction .. 550-553,560					1		1	1
48 Chronic liver disease and cirrhosis 571	2		1	2	1		1	1
49 Cholelithiasis and other disorders of gall bladder 574-575					1			
50 Nephritis, nephrotic syndrome, and nephrosis 580-589	1	1	1	1	2	1	3	
51 Infections of kidney 590								
52 Hyperplasia of prostate 600								
53 Complications of pregnancy, childbirth, and the puerperium 630-676								
54 Congenital anomalies 740-759	1				2	1	1	
55 Certain conditions originating in the perinatal period 760-779					1			2
56 Symptoms and ill-defined conditions .. 780-799					3			1
57 All other diseases Residual	3	3	5	6	16	6	9	7
58 Accidents E800-E949	5	4	4	5	1	4	4	4
59 Motor vehicle accidents E810-E825	1	3	1	1	1	1	4	3
60 Home accidents (Home) E850-E949	1			4		1		
61 All other accidents E800-E807,E826-E849 (Other) E850-E949	3	1	3			2		1
62 Suicide E950-E959			3	2	4	2	1	1
63 Homicide and legal intervention E960-E978		1			1	2		3
64 Other external causes E980-E999								

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1988
PLANNING DISTRICT 15

Cause of Death	Planning District 15			Charles City County		Chesterfield		Goochland	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	6,229	4,279	1,950	16	39	784	111	78	30
1 Shigellosis and amebiasis 004-006									
2 Certain other intestinal infections .. 007-009									
3 Tuberculosis, all forms 010-018	7	3	4			1			
4 Whooping cough 033									
5 Streptococcal sore throat, scarlatina and erysipelas 034-035									
6 Meningococcal infection 036									
7 Septicemia 038	119	71	48	1	3	9	1	2	1
8 Acute poliomyelitis 045	1	1							
9 Measles 055									
10 Viral hepatitis 070	3	3				1			
11 Syphilis 090-097	1		1						
12 Other infectious & parasitic diseases Residual of 001-139	58	30	28			4	1	1	
13 Malignant neoplasms 140-208	1,436	1,013	423	4	9	215	31	19	9
14 Lip, oral cavity and pharynx 140-149	20	13	7			1			1
15 Digestive organs and peritoneum 150-159	318	209	109		3	42	9	3	1
16 Respiratory & intrathoracic organs . 160-165	441	316	125	1	3	70	9	7	4
17 Breast 174-175	109	71	38	1		13	2	1	
18 Genital organs 179-187	159	112	47		2	31	4		2
19 Urinary organs 188-189	64	47	17			9	1	1	
20 Other & unspecified sites .. 170-173,190-199	207	154	53	1	1	26	4	3	1
21 Leukemia 204-208	45	32	13			7	1		
22 Other neoplasms of lymphatic and hematopoietic tissues 200-203	73	59	14	1		16	1	4	
23 Benign neoplasms and neoplasms of unspecified nature 210-239	15	12	3			3		1	1
24 Diabetes mellitus 250	99	59	40		1	9	2	2	2
25 Nutritional deficiencies 260-269	12	7	5			1		1	
26 Anemias 280-285	22	11	11			1	1	1	
27 Meningitis 320-322	7	2	5			2	1		
28 Major cardiovascular diseases 390-448	2,633	1,894	739	6	13	322	39	34	20
29 Diseases of heart 390-398,402,404-429	2,029	1,444	585	4	11	253	32	24	14
30 Rheumatic fever and rheumatic heart disease 390-398	16	12	4			1	1		
31 Hypertensive heart disease 402	48	30	18			7			
32 Hypertensive heart & renal disease ... 404	8	3	5						
33 Ischemic heart disease 410-414	1,199	889	310	2	4	157	20	14	8
34 Acute myocardial infarction 410	569	424	145	1	2	69	8	8	7
35 Other ischemic heart disease ... 411-414	630	465	165	1	2	88	12	6	1
36 Other diseases of endocardium 424	30	22	8			5			
37 All other forms of heart disease 415-423,425-429	728	488	240	2	7	83	11	10	6
38 Hypertension 401,403	28	16	12			2		1	
39 Cerebrovascular diseases 430-438	476	357	119	1	2	52	7	8	6
40 Atherosclerosis 440	41	31	10			3		1	
41 Other diseases of arteries, arterioles, and capillaries 441-448	59	46	13	1		12			
42 Acute bronchitis and bronchiolitis 466	2	1	1						
43 Pneumonia and influenza 480-487	189	138	51			23		4	1
44 Chronic obstructive pulmonary diseases 490-496	223	189	34	2	2	30	2		2
45 Ulcer of stomach and duodenum 531-533	18	15	3			3			
46 Appendicitis 540-543	1	1							
47 Hernia & intestinal obstruction .. 550-553,560	12	7	5			2			
48 Chronic liver disease and cirrhosis 571	71	52	19	1	1	9	1		
49 Cholelithiasis and other disorders of gall bladder 574-575	8	5	3			1			
50 Nephritis, nephrotic syndrome, and nephrosis 580-589	58	33	25		1	6	1	2	1
51 Infections of kidney 590	2	1	1						
52 Hyperplasia of prostate 600									
53 Complications of pregnancy, childbirth, and the puerperium 630-676	1		1						
54 Congenital anomalies 740-759	22	15	7		1	4		1	
55 Certain conditions originating in the perinatal period 760-779	77	28	49		1	8	8		1
56 Symptoms and ill-defined conditions .. 780-799	77	48	29	1		5	1	2	
57 All other diseases Residual	587	381	206		1	62	12	4	5
58 Accidents E800-E949	239	149	90	1	5	40	6	2	5
59 Motor vehicle accidents E810-E825	94	58	36		4	19	2		2
60 Home accidents (Home) E850-E949	62	33	29	1		9	3	1	3
61 All other accidents E800-E807,E826-E849 (Other) E850-E949	83	58	25		1	12	1	1	
62 Suicide E950-E959	113	90	23			21	1	2	1
63 Homicide and legal intervention E960-E978	111	19	92		1	2	3		1
64 Other external causes E980-E999	5	2	3						

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1988
PLANNING DISTRICT 15 (continued)

Cause of Death	Hanover		Henrico		New Kent		Powhatan		Richmond City	
	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	371	77	1,542	245	61	23	70	33	1,357	1,372
1 Shigellosis and amebiasis 004-006										
2 Certain other intestinal infections .. 007-009										
3 Tuberculosis, all forms 010-018			1	2					1	2
4 Whooping cough 033										
5 Streptococcal sore throat, scarlatina and erysipelas 034-035										
6 Meningococcal infection 036										
7 Septicemia 038	8	1	29	7			1		21	35
8 Acute poliomyelitis 045			1							
9 Measles 055										
10 Viral hepatitis 070			1						1	
11 Syphilis 090-097				1						
12 Other infectious & parasitic diseases Residual of 001-139			6	5	2		1	1	16	21
13 Malignant neoplasms 140-208	82	22	365	51	16	6	12	8	300	287
14 Lip, oral cavity and pharynx 140-149	2		6	1				1	4	4
15 Digestive organs and peritoneum 150-159	19	11	76	6	2	1	1	1	66	77
16 Respiratory & intrathoracic organs . 160-165	30	3	108	15	9	3	4	3	87	85
17 Breast 174-175	8	1	27	9		1	2		19	25
18 Genital organs 179-187	9	1	40	6			2		30	32
19 Urinary organs 188-189	1	1	17	4			1	1	18	10
20 Other & unspecified sites .. 170-173, 190-199	10	4	64	6	3	1	2	2	45	34
21 Leukemia 204-208	2		10	3	1				12	9
22 Other neoplasms of lymphatic and hematopoietic tissues 200-203	1	1	17	1	1				19	11
23 Benign neoplasms and neoplasms of unspecified nature 210-239			3	1					5	1
24 Diabetes mellitus 250	5	1	21	6	2	1	5	2	15	25
25 Nutritional deficiencies 260-269	3			1					2	4
26 Anemias 280-285			2		1		1		5	10
27 Meningitis 320-322										4
28 Major cardiovascular diseases 390-448	166	30	702	94	24	10	23	11	617	522
29 Diseases of heart 390-398, 402, 404-429	127	23	538	73	23	6	20	11	455	415
30 Rheumatic fever and rheumatic heart disease 390-398			6	1					5	2
31 Hypertensive heart disease 402	3	1	10	1			1	1	9	15
32 Hypertensive heart & renal disease ... 404			2	1					1	4
33 Ischemic heart disease 410-414	82	13	325	35	12	4	13	5	284	221
34 Acute myocardial infarction 410	40	5	165	20	7	2	7	3	127	98
35 Other ischemic heart disease ... 411-414	42	8	160	15	5	2	6	2	157	123
36 Other diseases of endocardium 424	2	2	3	1	1				9	5
37 All other forms of heart disease 415-423, 425-429	40	7	190	34	10	2	6	5	147	168
38 Hypertension 401, 403	3		8						2	12
39 Cerebrovascular diseases. 430-438	25	5	138	18	1	2	2		130	79
40 Atherosclerosis 440	6		9	2		1	1		11	7
41 Other diseases of arteries, arterioles, and capillaries 441-448	5	2	9	1		1			19	9
42 Acute bronchitis and bronchiolitis 466									1	1
43 Pneumonia and influenza 480-487	11	2	49	6	2	1	2	1	47	40
44 Chronic obstructive pulmonary diseases 490-496	17	2	68	5	1		4		67	21
45 Ulcer of stomach and duodenum 531-533	1		4				1		6	3
46 Appendicitis 540-543								1		
47 Hernia & intestinal obstruction .. 550-553, 560			3	1					2	4
48 Chronic liver disease and cirrhosis 571	7	2	14	2			3	1	18	12
49 Cholelithiasis and other disorders of gall bladder 574-575			2	1					2	2
50 Nephritis, nephrotic syndrome, and nephrosis 580-589	2	1	8	4	1				14	17
51 Infections of kidney 590			1							1
52 Hyperplasia of prostate 600										
53 Complications of pregnancy, childbirth, and the puerperium 630-676				1						
54 Congenital anomalies 740-759	1		4	2			1		4	4
55 Certain conditions originating in the perinatal period 760-779	6		8	7	2		2		2	32
56 Symptoms and ill-defined conditions .. 780-799	5	3	22	3		1	1		12	21
57 All other diseases Residual	28	9	157	25	3	1	5	3	122	150
58 Accidents E800-E949	12	4	38	12	3	2	7	4	46	52
59 Motor vehicle accidents E810-E825	6	2	13	9	1	1	5	3	12	13
60 Home accidents (Home) E850-E949	1	2	8		1				12	21
61 All other accidents E800-E807, E826-E849 (Other) E850-E949	5		15	3	1	1	2	1	22	18
62 Suicide E950-E959	16		28	1	3	1	1	1	19	18
63 Homicide and legal intervention E960-E978	1		5	7	1				10	80
64 Other external causes E980-E999									2	3

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1988
PLANNING DISTRICT 16

Cause of Death	Planning District 16			Caroline		King George	
	Total	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	1,000	806	194	83	70	77	24
1 Shigellosis and amebiasis 004-006							
2 Certain other intestinal infections .. 007-009							
3 Tuberculosis, all forms 010-018	1		1				
4 Whooping cough 033							
5 Streptococcal sore throat, scarlatina and erysipelas 034-035							
6 Meningococcal infection 036							
7 Septicemia 038	16	13	3		2	2	
8 Acute poliomyelitis 045							
9 Measles 055							
10 Viral hepatitis 070	1		1				
11 Syphilis 090-097							
12 Other infectious & parasitic diseases							
..... Residual of 001-139	10	7	3			1	
13 Malignant neoplasms 140-208	260	205	55	15	17	15	6
14 Lip, oral cavity and pharynx 140-149	7	6	1	1		1	
15 Digestive organs and peritoneum 150-159	60	48	12	1	3	6	
16 Respiratory & intrathoracic organs . 160-165	79	64	15	5	6	5	3
17 Breast 174-175	20	15	5	1	3	1	1
18 Genital organs 179-187	28	20	8	3	2	1	1
19 Urinary organs 188-189	13	13					
20 Other & unspecified sites .. 170-173,190-199	33	25	8	1	2	1	1
21 Leukemia 204-208	8	5	3	1			
22 Other neoplasms of lymphatic and hematopoietic tissues 200-203	12	9	3	2	1		
23 Benign neoplasms and neoplasms of unspecified nature 210-239	5	5					
24 Diabetes mellitus 250	21	14	7	1	2	2	3
25 Nutritional deficiencies 260-269	1	1					
26 Anemias 280-285	1	1					
27 Meningitis 320-322	2	1	1				
28 Major cardiovascular diseases 390-448	414	346	68	39	29	32	7
29 Diseases of heart 390-398,402,404-429	312	265	47	32	18	26	4
30 Rheumatic fever and rheumatic heart disease 390-398	2	2					
31 Hypertensive heart disease 402	2	1	1		1		
32 Hypertensive heart & renal disease ... 404							
33 Ischemic heart disease 410-414	200	173	27	22	12	13	1
34 Acute myocardial infarction 410	112	97	15	14	6	7	
35 Other ischemic heart disease ... 411-414	88	76	12	8	6	6	1
36 Other diseases of endocardium 424	8	8		2		2	
37 All other forms of heart disease							
..... 415-423,425-429	100	81	19	8	5	11	3
38 Hypertension 401,403	3	2	1		1		
39 Cerebrovascular diseases. 430-438	79	64	15	6	8	3	2
40 Atherosclerosis 440	8	6	2		1	1	
41 Other diseases of arteries, arterioles, and capillaries 441-448	12	9	3	1	1	2	1
42 Acute bronchitis and bronchiolitis 466							
43 Pneumonia and influenza 480-487	18	16	2	3	1	1	1
44 Chronic obstructive pulmonary diseases 490-496	29	26	3		1	4	
45 Ulcer of stomach and duodenum 531-533							
46 Appendicitis 540-543							
47 Hernia & intestinal obstruction .. 550-553,560	2	1	1				
48 Chronic liver disease and cirrhosis 571	13	10	3	2	2		
49 Cholelithiasis and other disorders of gall bladder 574-575							
50 Nephritis, nephrotic syndrome, and nephrosis 580-589	11	9	2		1	1	
51 Infections of kidney 590	1		1				1
52 Hyperplasia of prostate 600							
53 Complications of pregnancy, childbirth, and the puerperium 630-676							
54 Congenital anomalies 740-759	8	6	2			1	
55 Certain conditions originating in the perinatal period 760-779	9	6	3	1	1		
56 Symptoms and ill-defined conditions .. 780-799	13	11	2		2	1	
57 All other diseases Residual	71	60	11	7	3	11	1
58 Accidents E800-E949	63	43	20	8	7	3	4
59 Motor vehicle accidents E810-E825	36	26	10	6	3	2	3
60 Home accidents (Home) E850-E949	7	6	1				
61 All other accidents E800-E807,E826-E849 (Other) E850-E949	20	11	9	2	4	1	1
62 Suicide E950-E959	16	12	4	2	1	2	1
63 Homicide and legal intervention E960-E978	12	11	1	5	1	1	
64 Other external causes E980-E999	2	2					

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1968
PLANNING DISTRICT 16 (continued)

Cause of Death	Spotsylvania		Stafford		Fredericksburg	
	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	225	43	275	21	146	34
1 Shigellosis and amebiasis 004-006						
2 Certain other intestinal infections .. 007-009						
3 Tuberculosis, all forms 010-018		1				
4 Whooping cough 033						
5 Streptococcal sore throat, scarlatina and erysipelas 034-035						
6 Meningococcal infection 036						
7 Septicemia 038	5		5		1	1
8 Acute poliomyelitis 043						
9 Measles 055						
10 Viral hepatitis 070		1				
11 Syphilis 090-097						
12 Other infectious & parasitic diseases						
..... Residual of 001-139	3	1	2		1	2
13 Malignant neoplasms 140-208	52	14	70	7	53	11
14 Lip, oral cavity and pharynx 140-149	1	1	2		1	
15 Digestive organs and peritoneum 150-159	15	5	12	2	14	2
16 Respiratory & intrathoracic organs . 160-165	20	3	22	1	12	2
17 Breast 174-175	2		6	1	5	
18 Genital organs 179-187	7	3	4		5	2
19 Urinary organs 188-189	2		7		4	
20 Other & unspecified sites .. 170-173, 190-199	2		14	3	7	2
21 Leukemia 204-208	2	1	1		1	2
22 Other neoplasms of lymphatic and hematopoietic tissues 200-203	1	1	2		4	1
23 Benign neoplasms and neoplasms of unspecified nature 210-239	1		3		1	
24 Diabetes mellitus 250	5	1	4	1	2	
25 Nutritional deficiencies 260-269			1			
26 Anemias 280-285			1			
27 Meningitis 320-322			1	1		
28 Major cardiovascular diseases 390-448	100	14	118	3	57	15
29 Diseases of heart 390-398, 402, 404-429	78	11	87	3	42	11
30 Rheumatic fever and rheumatic heart disease 390-398	1				1	
31 Hypertensive heart disease 402			1			
32 Hypertensive heart & renal disease ... 404						
33 Ischemic heart disease 410-414	52	7	58	1	28	6
34 Acute myocardial infarction 410	33	3	28	1	15	5
35 Other ischemic heart disease 411-414	19	4	30		13	1
36 Other diseases of endocardium 424	1		2		1	
37 All other forms of heart disease						
..... 415-423, 425-429	24	4	26	2	12	5
38 Hypertension 401, 403	2					
39 Cerebrovascular diseases. 430-438	16	3	27		12	2
40 Atherosclerosis 440	3				2	1
41 Other diseases of arteries, arterioles, and capillaries 441-448	1		4		1	1
42 Acute bronchitis and bronchiolitis 466						
43 Pneumonia and influenza 480-487	5		4		3	
44 Chronic obstructive pulmonary diseases 490-496	5		9	2	8	
45 Ulcer of stomach and duodenum 531-533						
46 Appendicitis 540-543						
47 Hernia & intestinal obstruction .. 550-553, 560					1	1
48 Chronic liver disease and cirrhosis 571	3		5	1		
49 Cholelithiasis and other disorders of gall bladder 574-575						
50 Nephritis, nephrotic syndrome, and nephrosis 580-589	3	1	3		2	
51 Infections of kidney 590						
52 Hyperplasia of prostate 600						
53 Complications of pregnancy, childbirth, and the puerperium 630-676						
54 Congenital anomalies 740-759	2	1	3	1		
55 Certain conditions originating in the perinatal period 760-779	1	2			4	
56 Symptoms and ill-defined conditions .. 780-799	3		6		1	
57 All other diseases Residual	14	2	19	4	9	1
58 Accidents E800-E949	18	7	13		1	2
59 Motor vehicle accidents E810-E825	8	3	9		1	1
60 Home accidents (Home) E850-E949	4	1	2			
61 All other accidents E800-E807, E826-E849 (Other) E850-E949	6	3	2			1
62 Suicide E950-E959	2		5	1	1	1
63 Homicide and legal intervention E960-E978	2		2		1	
64 Other external causes E980-E999	1		1			

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1988
PLANNING DISTRICT 17

Cause of Death	Planning District 17			Lancaster		Northumberland		Richmond		Westmoreland	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	607	434	173	107	32	112	47	80	26	135	48
1 Shigellosis and amebiasis 004-006											
2 Certain other intestinal infections .. 007-009											
3 Tuberculosis, all forms 010-018											
4 Whooping cough 033											
5 Streptococcal sore throat, scarlatina and erysipelas 034-035											
6 Meningococcal infection 036											
7 Septicemia 038	5	4	1	1	1	2				1	
8 Acute poliomyelitis 045											
9 Measles 055											
10 Viral hepatitis 070											
11 Syphilis 090-097											
12 Other infectious & parasitic diseases											
..... Residual of 001-139	3	1	2		1					1	1
13 Malignant neoplasms 140-208	138	106	32	27	15	29	9	20	4	30	4
14 Lip, oral cavity and pharynx 140-149	1	1								1	
15 Digestive organs and peritoneum 150-159	44	30	14	10	8	6	2	7	2	7	2
16 Respiratory & intrathoracic organs . 160-165	38	31	7	8	2	7	2	7	1	9	2
17 Breast 174-175	14	13	1	2		5		2	1	4	
18 Genital organs 179-187	11	8	3	2	3	1		2		3	
19 Urinary organs 188-189	4	4				3		1			
20 Other & unspecified sites .. 170-173, 190-199	18	13	5	4	1	4	4	1		4	
21 Leukemia 204-208	3	3		1		2					
22 Other neoplasms of lymphatic and hematopoietic tissues 200-203	5	3	2		1	1	1			2	
23 Benign neoplasms and neoplasms of unspecified nature 210-239	7	5	2			2				3	2
24 Diabetes mellitus 250	7	4	3			2	1		2	2	
25 Nutritional deficiencies 260-269											
26 Anemias 280-285	1	1								1	
27 Meningitis 320-322											
28 Major cardiovascular diseases 390-448	297	210	87	52	23	50	25	40	13	68	26
29 Diseases of heart 390-398, 402, 404-429	241	173	68	39	17	38	19	35	11	61	21
30 Rheumatic fever and rheumatic heart disease 390-398	1	1				1					
31 Hypertensive heart disease 402	7	3	4	1	1		1	2	1		1
32 Hypertensive heart & renal disease ... 404	3	1	2		1					1	1
33 Ischemic heart disease 410-414	151	108	43	27	9	23	16	19	8	39	10
34 Acute myocardial infarction 410	91	64	27	14	4	17	12	8	6	25	3
35 Other ischemic heart disease ... 411-414	60	44	16	13	5	6	4	11	2	14	5
36 Other diseases of endocardium 424	4	4		1		1		1		1	
37 All other forms of heart disease 415-423, 425-429	75	56	19	10	6	13	2	13	2	20	9
38 Hypertension 401, 403	1		1								1
39 Cerebrovascular diseases. 430-438	43	28	15	10	6	9	4	4	2	5	3
40 Atherosclerosis 440	7	6	1	3		2	1			1	
41 Other diseases of arteries, arterioles, and capillaries 441-448	5	3	2			1	1	1		1	1
42 Acute bronchitis and bronchiolitis 466											
43 Pneumonia and influenza 480-487	12	6	6	4		1	4			1	2
44 Chronic obstructive pulmonary diseases 490-496	14	12	2	3		2		2		5	1
45 Ulcer of stomach and duodenum 531-533	3	2	1	2	1						
46 Appendicitis 540-543											
47 Hernia & intestinal obstruction .. 550-553, 560	3	2	1	1		1			1		
48 Chronic liver disease and cirrhosis 571	7	5	2	1	2	1		2		1	
49 Cholelithiasis and other disorders of gall bladder 574-575	1		1								1
50 Nephritis, nephrotic syndrome, and nephrosis 580-589	10	7	3		2	1		2		4	1
51 Infections of kidney 590											
52 Hyperplasia of prostate 600											
53 Complications of pregnancy, childbirth, and the puerperium 630-676	1	1				1					
54 Congenital anomalies 740-759											
55 Certain conditions originating in the perinatal period 760-779	5	1	4		1	1	1		1		1
56 Symptoms and ill-defined conditions .. 780-799	4	2	2	1	1	1	1				
57 All other diseases Residual	48	36	12	10	4	10	5	7	1	9	2
58 Accidents E800-E949	35	25	10	4		8	1	6	3	7	6
59 Motor vehicle accidents E810-E825	20	17	3	3		4	1	3	1	7	1
60 Home accidents (Home) E850-E949	10	4	6			2		2	2		4
61 All other accidents E800-E807, E826-E849 (Other) E850-E949	5	4	1	1		2		1			1
62 Suicide E950-E959	3	3						1		2	
63 Homicide and legal intervention E960-E978	3	1	2	1					1		1
64 Other external causes E980-E999											

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1988
PLANNING DISTRICT 18

Cause of Death	Planning District 18			Essex		Gloucester		King and Queen	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	779	578	201	63	40	218	44	44	36
1 Shigellosis and amebiasis 004-006									
2 Certain other intestinal infections .. 007-009	1		1						
3 Tuberculosis, all forms 010-018									
4 Whooping cough 033									
5 Streptococcal sore throat, scarlatina and erysipelas 034-035									
6 Meningococcal infection 036									
7 Septicemia 038	15	14	1	2		7		1	1
8 Acute poliomyelitis 045									
9 Measles 055									
10 Viral hepatitis 070									
11 Syphilis 090-097									
12 Other infectious & parasitic diseases									
..... Residual of 001-139	11	6	5		2	2	1		2
13 Malignant neoplasms 140-208	193	146	47	13	12	61	8	7	10
14 Lip, oral cavity and pharynx 140-149	2	2				1			
15 Digestive organs and peritoneum 150-159	43	28	15	3	6	11	2	1	2
16 Respiratory & intrathoracic organs . 160-165	59	49	10	5		19	4	3	3
17 Breast 174-175	16	13	3	1		4			1
18 Genital organs 179-187	23	15	8	2	2	8	1		3
19 Urinary organs 188-189	2	2							
20 Other & unspecified sites .. 170-173, 190-199	26	19	7		3	9	1	1	1
21 Leukemia 204-208	8	7	1	1		3		1	
22 Other neoplasms of lymphatic and hematopoietic tissues 200-203	14	11	3	1	1	6		1	
23 Benign neoplasms and neoplasms of unspecified nature 210-239	2	1	1	1			1		
24 Diabetes mellitus 250	12	6	6	2	4	2	1	1	
25 Nutritional deficiencies 260-269									
26 Anemias 280-285	2	2				1			
27 Meningitis 320-322									
28 Major cardiovascular diseases 390-448	328	244	84	34	14	80	20	20	14
29 Diseases of heart 390-398, 402, 404-429	264	200	64	31	12	64	14	17	10
30 Rheumatic fever and rheumatic heart disease 390-398	3	1	2						
31 Hypertensive heart disease 402	3	3		1					
32 Hypertensive heart & renal disease ... 404									
33 Ischemic heart disease 410-414	162	128	34	24	6	40	9	11	3
34 Acute myocardial infarction 410	79	60	19	10	4	15	5	8	1
35 Other ischemic heart disease ... 411-414	83	68	15	14	2	25	4	3	2
36 Other diseases of endocardium 424	6	4	2		2	2		1	
37 All other forms of heart disease									
..... 415-423, 425-429	90	64	26	6	4	22	5	5	7
38 Hypertension 401, 403	2	2				2			
39 Cerebrovascular diseases. 430-438	49	34	15	3	2	12	4	3	4
40 Atherosclerosis 440	5	2	3			1	2		
41 Other diseases of arteries, arterioles, and capillaries 441-448	8	6	2			1			
42 Acute bronchitis and bronchiolitis 466									
43 Pneumonia and influenza 480-487	36	32	4	1		14		1	1
44 Chronic obstructive pulmonary diseases 490-496	25	18	7	1	1	8	3	2	1
45 Ulcer of stomach and duodenum 531-533	4	4				1		1	
46 Appendicitis 540-543									
47 Hernia & intestinal obstruction .. 550-553, 560	1		1						
48 Chronic liver disease and cirrhosis 571	8	6	2	2	1	1		1	
49 Cholelithiasis and other disorders of gall bladder 574-575	1	1				1			
50 Nephritis, nephrotic syndrome, and nephrosis 580-589	4	4				2			
51 Infections of kidney 590									
52 Hyperplasia of prostate 600									
53 Complications of pregnancy, childbirth, and the puerperium 630-676									
54 Congenital anomalies 740-759	4	4		1		3			
55 Certain conditions originating in the perinatal period 760-779	1		1				1		
56 Symptoms and ill-defined conditions .. 780-799	11	8	3			3	1		
57 All other diseases Residual	68	48	20	3	5	20	5	6	3
58 Accidents E800-E949	34	21	13	3	1	9	1	2	3
59 Motor vehicle accidents E810-E825	16	11	5	1		6		1	2
60 Home accidents (Home) E850-E949	5	2	3	1					1
61 All other accidents E800-E807, E826-E849 (Other) E850-E949	13	8	5	1	1	3	1	1	
62 Suicide E950-E959	11	9	2			2		1	1
63 Homicide and legal intervention E960-E978	7	4	3			1	2	1	
64 Other external causes E980-E999									

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1988
PLANNING DISTRICT 18 (continued)

Cause of Death	King William		Mathews		Middlesex	
	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	54	30	103	15	96	36
1 Shigellosis and amebiasis 004-006						
2 Certain other intestinal infections .. 007-009						1
3 Tuberculosis, all forms 010-018						
4 Whooping cough 033						
5 Streptococcal sore throat, scarlatina and erysipelas 034-035						
6 Meningococcal infection 036						
7 Septicemia 038			2		2	
8 Acute poliomyelitis 045						
9 Measles 055						
10 Viral hepatitis 070						
11 Syphilis 090-097						
12 Other infectious & parasitic diseases Residual of 001-139						
13 Malignant neoplasms 140-208	3		1			
14 Lip, oral cavity and pharynx 140-149	15	5	24	6	26	6
15 Digestive organs and peritoneum 150-159	3	1	5	2	5	2
16 Respiratory & intrathoracic organs . 160-165	5		7	1	10	2
17 Breast 174-175	4	1	2	1	2	
18 Genital organs 179-187		1	2		3	1
19 Urinary organs 188-189			2			
20 Other & unspecified sites .. 170-173, 190-199	2		4	2	3	
21 Leukemia 204-208					2	1
22 Other neoplasms of lymphatic and hematopoietic tissues 200-203	1	2	1		1	
23 Benign neoplasms and neoplasms of unspecified nature 210-239						
24 Diabetes mellitus 250		1	1			
25 Nutritional deficiencies 260-269						
26 Anemias 280-285	1					
27 Meningitis 320-322						
28 Major cardiovascular diseases 390-448	25	11	45	4	40	21
29 Diseases of heart 390-398, 402, 404-429	20	10	36	3	32	15
30 Rheumatic fever and rheumatic heart disease 390-398	1	2				
31 Hypertensive heart disease 402			2			
32 Hypertensive heart & renal disease ... 404						
33 Ischemic heart disease 410-414	12	7	23	2	18	7
34 Acute myocardial infarction 410	5	1	10	2	12	6
35 Other ischemic heart disease ... 411-414	7	6	13		6	1
36 Other diseases of endocardium 424					1	
37 All other forms of heart disease 415-423, 425-429	7	1	11	1	13	8
38 Hypertension 401, 403						
39 Cerebrovascular diseases. 430-438	4	1	5		7	4
40 Atherosclerosis 440			1			1
41 Other diseases of arteries, arterioles, and capillaries 441-448	1		3	1	1	1
42 Acute bronchitis and bronchiolitis 466						
43 Pneumonia and influenza 480-487	3	1	6	1	7	1
44 Chronic obstructive pulmonary diseases 490-496	1	1	5	1	1	
45 Ulcer of stomach and duodenum 531-533					2	
46 Appendicitis 540-543						
47 Hernia & intestinal obstruction .. 550-553, 560		1				
48 Chronic liver disease and cirrhosis 571	1		1	1		
49 Cholelithiasis and other disorders of gall bladder 574-575						
50 Nephritis, nephrotic syndrome, and nephrosis 580-589			1		1	
51 Infections of kidney 590						
52 Hyperplasia of prostate 600						
53 Complications of pregnancy, childbirth, and the puerperium 630-676						
54 Congenital anomalies 740-759						
55 Certain conditions originating in the perinatal period 760-779						
56 Symptoms and ill-defined conditions .. 780-799		1	2		3	1
57 All other diseases Residual	1	5	12		6	2
58 Accidents E800-E949	1	3	2	2	4	3
59 Motor vehicle accidents E810-E825	1	1		1	2	1
60 Home accidents (Home) E850-E949			1	1		1
61 All other accidents E800-E807, E826-E849 (Other) E850-E949		2	1		2	1
62 Suicide E950-E959	2				4	1
63 Homicide and legal intervention E960-E978	1	1	1			
64 Other external causes E980-E999						

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1988
PLANNING DISTRICT 19

Cause of Death	Planning District 19			Dinwiddie		Greensville		Prince George		Surry	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	1,610	913	697	117	97	44	60	79	38	31	38
1 Shigellosis and amebiasis	004-006										
2 Certain other intestinal infections ..	007-009	1	1								
3 Tuberculosis, all forms	010-018	3		3	1						
4 Whooping cough	033										
5 Streptococcal sore throat, scarlatina and erysipelas	034-035										
6 Meningococcal infection	036										
7 Septicemia	038	19	9	10	3	1					1
8 Acute poliomyelitis	045										
9 Measles	055										
10 Viral hepatitis	070	1	1								
11 Syphilis	090-097										
12 Other infectious & parasitic diseases											
..... Residual of	001-139	9	3	6	1	1	1	1			1
13 Malignant neoplasms	140-208	351	206	145	28	21	11	12	20	9	8
14 Lip, oral cavity and pharynx	140-149	6	4	2	1			1			
15 Digestive organs and peritoneum	150-159	80	51	29	7	6	3	5	7	1	2
16 Respiratory & intrathoracic organs ..	160-165	118	64	54	9	6	3	6	5	1	3
17 Breast	174-175	29	17	12	1	2	2	1	1	2	1
18 Genital organs	179-187	33	12	21	1	4	2		1	1	1
19 Urinary organs	188-189	11	4	7			1	1	1		
20 Other & unspecified sites ..	170-173, 190-199	48	32	16	5	2	2	4			2
21 Leukemia	204-208	8	7	1	1	1					
22 Other neoplasms of lymphatic and hematopoietic tissues	200-203	18	15	3	3		3			2	1
23 Benign neoplasms and neoplasms of unspecified nature	210-239	5	3	2	1		1				
24 Diabetes mellitus	250	33	10	23		4	1	3	2		1
25 Nutritional deficiencies	260-269	4		4		2					
26 Anemias	280-285	4	2	2			1				
27 Meningitis	320-322										
28 Major cardiovascular diseases	390-448	703	409	294	42	39	21	25	28	17	15
29 Diseases of heart	390-398, 402, 404-429	539	312	227	30	27	14	16	23	16	10
30 Rheumatic fever and rheumatic heart disease	390-398	3	2	1		1					
31 Hypertensive heart disease	402	15	6	9	1	1	1		1		1
32 Hypertensive heart & renal disease ...	404	2		2					1		
33 Ischemic heart disease	410-414	341	203	138	18	16	10	9	19	10	7
34 Acute myocardial infarction	410	163	99	64	9	7	3	6	12	6	4
35 Other ischemic heart disease ...	411-414	178	104	74	9	9	7	3	7	4	3
36 Other diseases of endocardium	424	13	12	1			1	1			
37 All other forms of heart disease	415-423, 425-429	165	89	76	11	9	2	6	3	4	3
38 Hypertension	401, 403	11	3	8		1	2	2			
39 Cerebrovascular diseases.	430-438	131	80	51	11	10	3	5	5	1	4
40 Atherosclerosis	440	11	8	3			2	1			3
41 Other diseases of arteries, arterioles, and capillaries	441-448	11	6	5	1	1		1			
42 Acute bronchitis and bronchiolitis	465										
43 Pneumonia and influenza	480-487	46	34	12	6	3		4		2	
44 Chronic obstructive pulmonary diseases	490-496	62	49	13	9	3	3	1	3	1	1
45 Ulcer of stomach and duodenum	531-533	5	2	3							
46 Appendicitis	540-543										
47 Hernia & intestinal obstruction ..	550-553, 560	4	2	2							1
48 Chronic liver disease and cirrhosis	571	23	14	9	1		1	1		1	1
49 Cholelithiasis and other disorders of gall bladder	574-575	1		1							
50 Nephritis, nephrotic syndrome, and nephrosis	580-589	13	6	7	1	1	1	1			1
51 Infections of kidney	590										
52 Hyperplasia of prostate	600										
53 Complications of pregnancy, childbirth, and the puerperium	630-676										
54 Congenital anomalies	740-759	9	2	7	2		1				
55 Certain conditions originating in the perinatal period	760-779	16	3	13		1	1	2	1		1
56 Symptoms and ill-defined conditions ..	780-799	15	10	5	3			1	1		
57 All other diseases	Residual	148	81	67	11	9	4	5	6	2	1
58 Accidents	E800-E949	103	52	51	9	8	1	7	9	5	2
59 Motor vehicle accidents	E810-E825	44	23	21	6	5		2	4	2	1
60 Home accidents	(Home) E850-E949	20	6	14				2			5
61 All other accidents	E800-E807, E826-E849 (Other) E850-E949	39	23	16	3	3	1	3	5	3	1
62 Suicide	E950-E959	16	10	6		1		1	3	1	1
63 Homicide and legal intervention	E960-E978	15	3	12		2			1		1
64 Other external causes	E980-E999	1	1								

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1988
PLANNING DISTRICT 19 (continued)

Cause of Death	Sussex		Colonial Heights		Emporia		Hopswell		Petersburg	
	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	43	76	133	6	39	49	200	56	203	277
1 Shigellosis and amebiasis 004-006										
2 Certain other intestinal infections .. 007-009			1							
3 Tuberculosis, all forms 010-018										2
4 Whooping cough 033										
5 Streptococcal sore throat, scarlatina and erysipelas 034-035										
6 Meningococcal infection 036										
7 Septicemia 038	1	1					3		2	7
8 Acute poliomyelitis 045										
9 Measles 055										
10 Viral hepatitis 070							1			
11 Syphilis 090-097										
12 Other infectious & parasitic diseases										
..... Residual of 001-139									1	3
13 Malignant neoplasms 140-208	11	16	26	1	11	10	46	6	45	62
14 Lip, oral cavity and pharynx 140-149					1				1	2
15 Digestive organs and peritoneum 150-159	2	2	3		1	1	11	1	15	13
16 Respiratory & intrathoracic organs .. 160-165	4	9	12	1	4	4	14	2	14	21
17 Breast 174-175		2	1				8		2	6
18 Genital organs 179-187	2	2	2		3	3	1	2	7	
19 Urinary organs 188-189			1		1		1	1	4	
20 Other & unspecified sites .. 170-173,190-199	3		6		3	1	5	1	4	8
21 Leukemia 204-208							4		2	
22 Other neoplasms of lymphatic and hematopoietic tissues 200-203		1	1		1		1		4	1
23 Benign neoplasms and neoplasms of unspecified nature 210-239									2	1
24 Diabetes mellitus 250	1	1	4	1	1	5		1	1	7
25 Nutritional deficiencies 260-269										2
26 Anemias 280-285									1	2
27 Meningitis 320-322										
28 Major cardiovascular diseases 390-448	20	33	81	2	17	21	80	27	105	116
29 Diseases of heart 390-398,402,404-429	17	22	67	2	13	16	61	21	77	96
30 Rheumatic fever and rheumatic heart disease 390-398									2	5
31 Hypertensive heart disease 402			2		1		1			1
32 Hypertensive heart & renal disease ... 404										54
33 Ischemic heart disease 410-414	10	15	33	1	7	12	40	14	59	16
34 Acute myocardial infarction 410	4	6	17	1	5	7	25	11	20	38
35 Other ischemic heart disease ... 411-414	6	9	16		2	5	15	3	39	
36 Other diseases of endocardium 424	2	1	3		1		2		2	
37 All other forms of heart disease 415-423,425-429	5	6	29	1	4	4	18	7	14	36
38 Hypertension 401,403		3						2	1	
39 Cerebrovascular diseases 430-438	2	6	11		2	5	17	4	25	17
40 Atherosclerosis 440		2	2		2				1	
41 Other diseases of arteries, arterioles, and capillaries 441-448	1		1				2		1	3
42 Acute bronchitis and bronchiolitis 466										
43 Pneumonia and influenza 480-487	1	3	5		1	1	9	3	6	2
44 Chronic obstructive pulmonary diseases 490-496		2	6	1	3	2	12		12	2
45 Ulcer of stomach and duodenum 531-533	1						1			3
46 Appendicitis 540-543										
47 Hernia & intestinal obstruction .. 550-553,560			1				1			1
48 Chronic liver disease and cirrhosis 571			4			1	4	2	3	4
49 Cholelithiasis and other disorders of gall bladder 574-575								1		
50 Nephritis, nephrotic syndrome, and nephrosis 580-589		1	2				2	1		3
51 Infections of kidney 590										
52 Hyperplasia of prostate 600										
53 Complications of pregnancy, childbirth, and the puerperium 630-676										
54 Congenital anomalies 740-759								2		4
55 Certain conditions originating in the perinatal period 760-779		1				1		2	1	5
56 Symptoms and ill-defined conditions .. 780-799	2		1		1		1		1	4
57 All other diseases Residual	2	12	11		3	4	24	6	19	27
58 Accidents E800-E949	4	6	9		2	3	12	4	4	12
59 Motor vehicle accidents E810-E823	2	4	3			1	6	2	1	5
60 Home accidents (Home) E850-E949			3		2		1	1		6
61 All other accidents E800-E807,E826-E849 (Other) E850-E949	2	2	3			2	5	1	3	1
62 Suicide E950-E959	1		1				3		1	3
63 Homicide and legal intervention E960-E978	1			1		1	1	1	1	5
64 Other external causes E980-E999			1							

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1988
PLANNING DISTRICT 20

Cause of Death	Planning District 20			Isle of Wight		Southampton		Chesapeake	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	7,246	4,371	2,673	121	106	97	87	713	315
1 Shigellosis and amebiasis 004-006									
2 Certain other intestinal infections .. 007-009	1		1						
3 Tuberculosis, all forms .. 010-018	8	2	6					1	
4 Whooping cough 033									
5 Streptococcal sore throat, scarlatina and erysipelas 034-035									
6 Meningococcal infection 036	4	1	3		1				
7 Septicemia 038	100	47	53	1	1	1		13	4
8 Acute poliomyelitis 045									
9 Measles 055									
10 Viral hepatitis 070	3	2	1						1
11 Syphilis 090-097									
12 Other infectious & parasitic diseases									
..... Residual of 001-139	80	38	42		2		1	10	6
13 Malignant neoplasms 140-208	1,729	1,130	599	37	27	18	23	163	62
14 Lip, oral cavity and pharynx 140-149	46	34	12		1	1		5	1
15 Digestive organs and peritoneum 150-159	370	222	148	6	3	4	6	29	16
16 Respiratory & intrathoracic organs .. 160-165	539	378	161	11	10	2	7	61	20
17 Breast 174-175	130	87	43	3	2	2		13	7
18 Genital organs 179-187	208	105	103	6	5	1	4	17	7
19 Urinary organs 188-189	69	51	18	3	1	3	1	7	2
20 Other & unspecified sites .. 170-173, 190-199	228	161	67	6	2	2	3	21	5
21 Leukemia 204-208	40	29	11	1	2	1	1	4	1
22 Other neoplasms of lymphatic and hematopoietic tissues 200-203	99	63	36	1	1	2	1	6	3
23 Benign neoplasms and neoplasms of unspecified nature 210-239	18	9	9	1	1				1
24 Diabetes mellitus 250	126	51	75		6	1	2	10	9
25 Nutritional deficiencies 260-269	12	5	7					2	
26 Anemias 280-285	14	9	5			1		1	
27 Meningitis 320-322	4	1	3						1
28 Major cardiovascular diseases 390-448	3,074	1,942	1,132	59	40	44	43	306	137
29 Diseases of heart 390-398, 402, 404-429	2,399	1,560	839	54	28	35	29	259	109
30 Rheumatic fever and rheumatic heart disease 390-398	13	10	3		1	1		2	
31 Hypertensive heart disease 402	76	34	42		1		2	8	3
32 Hypertensive heart & renal disease ... 404	13	3	10						2
33 Ischemic heart disease 410-414	1,404	967	437	42	16	18	16	177	62
34 Acute myocardial infarction 410	696	494	202	29	5	12	8	82	28
35 Other ischemic heart disease ... 411-414	708	473	235	13	11	6	8	95	34
36 Other diseases of endocardium 424	36	24	12		1	2	2	2	1
37 All other forms of heart disease 415-423, 425-429	857	522	335	12	9	14	9	70	41
38 Hypertension 401, 403	43	16	27		2		2	1	1
39 Cerebrovascular diseases, ... 430-438	510	286	224	3	8	5	8	35	23
40 Atherosclerosis 440	57	35	22	2	1	4	2	6	2
41 Other diseases of arteries, arterioles, and capillaries 441-448	65	45	20		1		2	5	2
42 Acute bronchitis and bronchiolitis 466									
43 Pneumonia and influenza 480-487	210	146	64		2		1	17	9
44 Chronic obstructive pulmonary diseases 490-496	225	185	40	2	2	11	2	25	3
45 Ulcer of stomach and duodenum 531-533	15	10	5					3	
46 Appendicitis 540-543	1	1							
47 Hernia & intestinal obstruction .. 550-553, 560	22	16	6	1				1	
48 Chronic liver disease and cirrhosis 571	78	54	24		1			7	6
49 Cholelithiasis and other disorders of gall bladder 574-575	10	6	4		1			3	
50 Nephritis, nephrotic syndrome, and nephrosis 580-589	72	32	40		2			4	3
51 Infections of kidney 590	6	5	1	1					
52 Hyperplasia of prostate 600									
53 Complications of pregnancy, childbirth, and the puerperium 630-676	3	1	2						1
54 Congenital anomalies 740-759	67	49	18	1	1			5	1
55 Certain conditions originating in the perinatal period 760-779	151	77	74		3	1		9	8
56 Symptoms and ill-defined conditions .. 780-799	80	49	31			2		14	5
57 All other diseases Residual	602	383	219	7	6	12	6	59	28
58 Accidents E800-E949	305	188	117	10	9	3	9	38	18
59 Motor vehicle accidents E810-E825	127	82	45	4	4		3	17	7
60 Home accidents (Home) E850-E949	78	49	29	3	1	1	3	12	6
61 All other accidents E800-E807, E826-E849 (Other) E850-E949	100	57	43	3	4	2	1	9	5
62 Suicide E950-E959	98	87	11	1		2		14	3
63 Homicide and legal intervention E960-E978	125	43	82		1	1		8	9
64 Other external causes E980-E999	3	2	1						

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1988
PLANNING DISTRICT 20 (continued)

Cause of Death	Franklin City		Norfolk		Portsmouth		Suffolk		Virginia Beach	
	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	51	60	1,298	1,032	605	503	255	315	1,431	237
1 Shigellosis and amebiasis 004-006										
2 Certain other intestinal infections .. 007-009						1				
3 Tuberculosis, all forms 010-018				1		3		1	1	1
4 Whooping cough 033										
5 Streptococcal sore throat, scarlatina and erysipelas 034-035										
6 Meningococcal infection 036				1					1	1
7 Septicemia 038	1	1	11	27	8	12	2	7	10	1
8 Acute poliomyelitis 045										
9 Measles 055										
10 Viral hepatitis 070			2							
11 Syphilis 090-097										
12 Other infectious & parasitic diseases										
..... Residual of 001-139			11	17	3	8		3	14	5
13 Malignant neoplasms 140-202	14	14	335	215	147	125	54	68	362	65
14 Lip, oral cavity and pharynx 140-149			13	2	6	5	2		7	3
15 Digestive organs and peritoneum 150-159	1	3	71	59	29	28	9	17	73	16
16 Respiratory & intrathoracic organs . 160-165	3	3	103	46	53	36	18	18	127	21
17 Breast 174-175	1	2	23	13	13	8	6	4	26	7
18 Genital organs 179-187	1	2	32	44	7	20	8	12	33	9
19 Urinary organs 188-189			12	6	4	5	2	3	20	
20 Other & unspecified sites .. 170-173, 190-199	5	1	48	27	25	17	6	8	48	4
21 Leukemia 204-208	1		11	6	3		1	1	7	
22 Other neoplasms of lymphatic and hematopoietic tissues 200-203	2	3	22	12	7	6	2	5	21	5
23 Benign neoplasms and neoplasms of unspecified nature 210-239			5	2		1		1	3	3
24 Diabetes mellitus 250	1	2	12	29	5	9	3	12	19	6
25 Nutritional deficiencies 260-269			1	3		2	1	1	1	1
26 Anemias 280-285			2	2	2	1	1	2	2	
27 Meningitis 320-322			2	1						
28 Major cardiovascular diseases 390-448	22	28	549	427	280	218	120	145	562	94
29 Diseases of heart 390-398, 402, 404-429	14	19	442	319	228	154	95	113	433	68
30 Rheumatic fever and rheumatic heart disease 390-398			2	1				1	5	
31 Hypertensive heart disease 402			10	13	4	8	5	13	7	2
32 Hypertensive heart & renal disease ... 404			2	1	1	2		1		4
33 Ischemic heart disease 410-414	10	12	256	152	154	87	49	56	261	36
34 Acute myocardial infarction 410	6	6	133	63	85	44	31	33	116	15
35 Other ischemic heart disease ... 411-414	4	6	123	89	69	43	18	23	145	21
36 Other diseases of endocardium 424			11	3	1	2	1	1	7	2
37 All other forms of heart disease 415-423, 425-429	4	7	161	149	68	5	40	41	153	24
38 Hypertension 401, 403		1	6	7	1	7	2	3	6	4
39 Cerebrovascular diseases. 430-438	6	7	72	87	44	52	18	23	103	16
40 Atherosclerosis 440	2	1	8	9			3	4	10	3
41 Other diseases of arteries, arterioles, and capillaries 441-448			21	5	7	5	2	2	10	3
42 Acute bronchitis and bronchiolitis 466										
43 Pneumonia and influenza 480-487	1	3	44	26	26	10	13	6	45	7
44 Chronic obstructive pulmonary diseases 490-496	4		56	20	24	5	10	3	53	5
45 Ulcer of stomach and duodenum 531-533			4	4	1	1			2	
46 Appendicitis 540-543			1							
47 Hernia & intestinal obstruction .. 550-553, 560		1	6	1	2			2	6	2
48 Chronic liver disease and cirrhosis 571	2		13	8	6	5	2	1	24	3
49 Cholelithiasis and other disorders of gall bladder 574-575			1	3					2	
50 Nephritis, nephrotic syndrome, and nephrosis 580-589		1	5	21	6	6	4	5	13	2
51 Infections of kidney 590			1	1	1				2	
52 Hyperplasia of prostate 600										
53 Complications of pregnancy, childbirth, and the puerperium 630-676			1	1						
54 Congenital anomalies 740-759			16	4	2	4	2	2	23	6
55 Certain conditions originating in the perinatal period 760-779			21	30	8	9	2	7	36	17
56 Symptoms and ill-defined conditions .. 780-799		1	14	13	10	3	3	4	6	5
57 All other diseases Residual	3	6	120	91	40	43	27	22	115	17
58 Accidents E800-E949	3	2	38	40	17	18	8	15	71	6
59 Motor vehicle accidents E810-E825	2	1	18	11	7	7	4	7	30	3
60 Home accidents (Home) E850-E949		1	10	11	7	4	1	1	15	2
61 All other accidents E800-E807, E826-E849 (Other) E850-E949	1		10	18	3	7	3	7	26	1
62 Suicide E950-E959			18	2	14	1	1	2	37	3
63 Homicide and legal intervention E960-E978		1	11	41	2	17	1	6	20	7
64 Other external causes E980-E999						1	1		1	

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1988
PLANNING DISTRICT 21

Cause of Death	Planning District 21			James City County		York		Hampton	
	Total	White	Nonwh	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	2,635	1,685	950	130	54	117	44	570	379
1 Shigellosis and amebiasis 004-006									
2 Certain other intestinal infections .. 007-009	1		1					1	
3 Tuberculosis, all forms 010-018	1	1							
4 Whooping cough 033									
5 Streptococcal sore throat, scarlatina and erysipelas 034-035									
6 Meningococcal infection 036									
7 Septicemia 038	38	22	16	3	1			6	6
8 Acute poliomyelitis 045									
9 Measles 055									
10 Viral hepatitis 070	3	2	1						
11 Syphilis 090-097	1		1						
12 Other infectious & parasitic diseases									
..... Residual of 001-139	28	15	13			3	1	3	7
13 Malignant neoplasms 140-208	651	416	235	34	15	29	10	153	93
14 Lip, oral cavity and pharynx 140-149	5	3	2					3	1
15 Digestive organs and peritoneum 150-159	162	98	64	6	6	8		33	33
16 Respiratory & intrathoracic organs . 160-165	218	140	78	12	2	9	4	50	25
17 Breast 174-175	55	37	18	3	1	3	2	16	6
18 Genital organs 179-187	71	41	30	7	3	3	1	17	12
19 Urinary organs 188-189	23	15	8	1	1	1	1	6	3
20 Other & unspecified sites .. 170-173,190-199	76	59	17	3	1	3		21	7
21 Leukemia 204-208	10	7	3	1		1		3	
22 Other neoplasms of lymphatic and hematopoietic tissues 200-203	31	16	15	1	1	1	2	4	6
23 Benign neoplasms and neoplasms of unspecified nature 210-239	9	7	2	1	1			3	1
24 Diabetes mellitus 250	37	17	20		3	1		6	9
25 Nutritional deficiencies 260-269	3	2	1	1					1
26 Anemias 280-285	5	4	1					1	1
27 Meningitis 320-322	4	1	3						2
28 Major cardiovascular diseases 390-448	1,095	691	404	54	17	50	21	243	154
29 Diseases of heart 390-398,402,404-429	842	554	288	40	11	40	14	188	116
30 Rheumatic fever and rheumatic heart disease 390-398	4	3	1					1	
31 Hypertensive heart disease 402	17	8	9	1		2		3	5
32 Hypertensive heart & renal disease ... 404	2	1	1						
33 Ischemic heart disease 410-414	519	357	162	26	9	30	8	114	58
34 Acute myocardial infarction 410	260	181	79	17	8	15	3	61	34
35 Other ischemic heart disease ... 411-414	259	176	83	9	1	15	5	53	24
36 Other diseases of endocardium 424	11	6	5	1				4	3
37 All other forms of heart disease 415-423,425-429	289	179	110	12	2	8	6	66	50
38 Hypertension 401,403	14	4	10	2	1		1	1	3
39 Cerebrovascular diseases. 430-438	176	90	86	10	5	7	5	32	30
40 Atherosclerosis 440	30	18	12	1		2	1	12	2
41 Other diseases of arteries, arterioles, and capillaries 441-448	33	25	8	1		1		10	3
42 Acute bronchitis and bronchiolitis 466									
43 Pneumonia and influenza 480-487	104	79	25	8		5	1	23	10
44 Chronic obstructive pulmonary diseases 490-496	95	76	19	2	1	5	2	26	9
45 Ulcer of stomach and duodenum 531-533	7	6	1			1		1	1
46 Appendicitis 540-543									
47 Hernia & intestinal obstruction .. 550-553,560	8	3	5				1	1	3
48 Chronic liver disease and cirrhosis 571	27	16	11		1	2		6	4
49 Cholelithiasis and other disorders of gall bladder 574-575	5	3	2						1
50 Nephritis, nephrotic syndrome, and nephrosis 580-589	21	9	12		2		1	4	3
51 Infections of kidney 590	3	1	2						1
52 Hyperplasia of prostate 600	1	1						1	
53 Complications of pregnancy, childbirth, and the puerperium 630-676	1		1						1
54 Congenital anomalies 740-759	14	8	6					2	4
55 Certain conditions originating in the perinatal period 760-779	40	17	23	1	1	1		7	9
56 Symptoms and ill-defined conditions .. 780-799	20	13	7	3		1		1	7
57 All other diseases Residual	224	155	69	12	3	8	1	54	28
58 Accidents E800-E949	123	83	40	5	4	7	3	18	13
59 Motor vehicle accidents E810-E825	47	29	18	3	4	1	2	10	4
60 Home accidents (Home) E850-E949	25	19	6			1		3	1
61 All other accidents E800-E807,E826-E849 (Other) E850-E949	51	35	16	2		5	1	5	8
62 Suicide E950-E959	37	31	6	6	2	2		10	3
63 Homicide and legal intervention E960-E978	29	6	23		3	2	3	1	7
64 Other external causes E980-E999									

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1988
PLANNING DISTRICT 21 (continued)

Cause of Death	Newport News		Poquoson		Williamsburg	
	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	733	451	64		71	22
1 Shigellosis and amebiasis 004-006						
2 Certain other intestinal infections .. 007-009						
3 Tuberculosis, all forms 010-018	1					
4 Whooping cough 033						
5 Streptococcal sore throat, scarlatina and erysipelas 034-035						
6 Meningococcal infection 036						
7 Septicemia 038	10	9	1		2	
8 Acute poliomyelitis 045						
9 Measles 055						
10 Viral hepatitis 070	1	1			1	
11 Syphilis 090-097						1
12 Other infectious & parasitic diseases						
..... Residual of 001-139	7	5	2			
13 Malignant neoplasms 140-208	161	113	18		21	4
14 Lip, oral cavity and pharynx 140-149						
15 Digestive organs and peritoneum 150-159	40	24	5		6	1
16 Respiratory & intrathoracic organs . 160-165	55	46	5		9	1
17 Breast 174-175	14	9			1	
18 Genital organs 179-187	11	12	3			2
19 Urinary organs 188-189	7	3				
20 Other & unspecified sites .. 170-173,190-199	25	9	4		3	
21 Leukemia 204-208	2	3				
22 Other neoplasms of lymphatic and hematopoietic tissues 200-203	7	6	1		2	
23 Benign neoplasms and neoplasms of unspecified nature 210-239	2				1	
24 Diabetes mellitus 250	10	8				
25 Nutritional deficiencies 260-269	1					
26 Anemias 280-285	2				1	
27 Meningitis 320-322	1					1
28 Major cardiovascular diseases 390-448	294	199	28		22	13
29 Diseases of heart 390-398,402,404-429	252	141	20		14	6
30 Rheumatic fever and rheumatic heart disease 390-398	2	1				
31 Hypertensive heart disease 402	2	4				
32 Hypertensive heart & renal disease ... 404		1	1			
33 Ischemic heart disease 410-414	163	82	13		11	5
34 Acute myocardial infarction 410	70	30	9		9	4
35 Other ischemic heart disease .. 411-414	93	52	4		2	1
36 Other diseases of endocardium 424	1	2				
37 All other forms of heart disease						
..... 415-423,425-429	84	51	6		3	1
38 Hypertension 401,403	1	5				
39 Cerebrovascular diseases, ... 430-438	31	39	5		5	7
40 Atherosclerosis 440	2	9			1	
41 Other diseases of arteries, arterioles, and capillaries 441-448	8	5	3		2	
42 Acute bronchitis and bronchiolitis 466						
43 Pneumonia and influenza 480-487	40	14			3	
44 Chronic obstructive pulmonary diseases 490-496	41	7			2	
45 Ulcer of stomach and duodenum 531-533	3				1	
46 Appendicitis 540-543						
47 Hernia & intestinal obstruction .. 550-553,560	2	1				
48 Chronic liver disease and cirrhosis 571	7	6			1	
49 Cholelithiasis and other disorders of gall bladder 574-575	2	1	1			
50 Nephritis, nephrotic syndrome, and nephrosis 580-589	3	6			2	
51 Infections of kidney 590	1	1				
52 Hyperplasia of prostate 600						
53 Complications of pregnancy, childbirth, and the puerperium 630-676						
54 Congenital anomalies 740-759	6	2				
55 Certain conditions originating in the perinatal period 760-779	6	11	2			2
56 Symptoms and ill-defined conditions .. 780-799	7				1	
57 All other diseases Residual	70	37	6		5	
58 Accidents E800-E949	43	19	5		3	1
59 Motor vehicle accidents E810-E825	12	8	3			
60 Home accidents (Home) E850-E949	12	4	1		2	1
61 All other accidents E800-E807,E826-E849 (Other) E850-E949	19	7	1		3	
62 Suicide E950-E959	10	1			3	
63 Homicide and legal intervention E960-E978	2	10	1			
64 Other external causes E980-E999						

TABLE 46 - DEATHS BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE BY RACE BY CAUSE, VIRGINIA, 1988
PLANNING DISTRICT 22

Cause of Death	Planning District 22			Accomack		Northampton	
	Total	White	Nonwh	White	Nonwh	White	Nonwh
ALL CAUSES	628	395	233	289	122	106	111
1 Shigellosis and amebiasis 004-006							
2 Certain other intestinal infections .. 007-009							
3 Tuberculosis, all forms 010-018							
4 Whooping cough 033							
5 Streptococcal sore throat, scarlatina and erysipelas 034-035							
6 Meningococcal infection 036							
7 Septicemia 038	10	6	4	3	4	3	
8 Acute poliomyelitis 045							
9 Measles 055							
10 Viral hepatitis 070							
11 Syphilis 090-097							
12 Other infectious & parasitic diseases							
..... Residual of 001-139	1		1		1		
13 Malignant neoplasms 140-208	142	91	51	68	23	23	28
14 Lip, oral cavity and pharynx 140-149	1	1				1	
15 Digestive organs and peritoneum .. 150-159	26	18	8	14	6	4	2
16 Respiratory & intrathoracic organs .. 160-165	46	27	19	21	5	6	14
17 Breast 174-175	11	7	4	4	1	3	3
18 Genital organs 179-187	26	16	10	14	5	2	5
19 Urinary organs 188-189	5	3	2	1	1	2	1
20 Other & unspecified sites .. 170-173,190-199	19	15	4	11	2	4	2
21 Leukemia 204-208	2	2		2			
22 Other neoplasms of lymphatic and hematopoietic tissues 200-203	6	2	4	1	3	1	1
23 Benign neoplasms and neoplasms of unspecified nature 210-239	2	1	1	1	1		
24 Diabetes mellitus 250	11	3	8	2	2	1	6
25 Nutritional deficiencies 260-269	2		2		1		1
26 Anemias 280-285	1	1		1			
27 Meningitis 320-322	1	1		1			
28 Major cardiovascular diseases 390-448	293	188	105	141	64	47	41
29 Diseases of heart 390-398,402,404-429	221	150	71	116	45	34	26
30 Rheumatic fever and rheumatic heart disease 390-398	3	3		1		2	
31 Hypertensive heart disease 402	28	18	10	16	7	2	3
32 Hypertensive heart & renal disease ... 404	3		3		2		1
33 Ischemic heart disease 410-414	123	88	35	64	21	24	14
34 Acute myocardial infarction 410	87	61	26	43	18	18	8
35 Other ischemic heart disease ... 411-414	36	27	9	21	3	6	6
36 Other diseases of endocardium 424	2	2		2			
37 All other forms of heart disease							
..... 415-423,425-429	62	39	23	33	15	6	8
38 Hypertension 401,403	1	1		1			
39 Cerebrovascular diseases. 430-438	59	34	25	22	13	12	12
40 Atherosclerosis 440	2		2				2
41 Other diseases of arteries, arterioles, and capillaries 441-448	10	3	7	2	6	1	1
42 Acute bronchitis and bronchiolitis 466							
43 Pneumonia and influenza 480-487	11	9	2	9	1		1
44 Chronic obstructive pulmonary diseases 490-496	18	15	3	11	1	4	2
45 Ulcer of stomach and duodenum 531-533	1	1				1	
46 Appendicitis 540-543							
47 Hernia & intestinal obstruction .. 550-553,560							
48 Chronic liver disease and cirrhosis 571	10	5	5	5	1		4
49 Cholelithiasis and other disorders of gall bladder 574-575							
50 Nephritis, nephrotic syndrome, and nephrosis 580-589	9	7	2	7	1		1
51 Infections of kidney 590	1		1				1
52 Hyperplasia of prostate 600	1		1				
53 Complications of pregnancy, childbirth, and the puerperium 630-676							
54 Congenital anomalies 740-759	2	2		1		1	
55 Certain conditions originating in the perinatal period 760-779	3		3		1		2
56 Symptoms and ill-defined conditions .. 780-799	4	3	1	2	1	1	
57 All other diseases Residual	69	40	29	22	17	18	12
58 Accidents E800-E949	26	16	10	11	2	5	8
59 Motor vehicle accidents E810-E825	17	10	7	8	2	2	5
60 Home accidents (Home) E850-E949	4	2	2	1		1	2
61 All other accidents E800-E807,E826-E849 (Other) E850-E949	5	4	1	2		2	1
62 Suicide E950-E959	5	4	1	2		2	1
63 Homicide and legal intervention E960-E978	5	2	3	2			3
64 Other external causes E980-E999							

TABLE 47 - MARRIAGES BY PLACE OF MARRIAGE, RESIDENCE OF BRIDE, AND RESIDENCE OF GROOM
BY RACE, BY PLANNING DISTRICT AND CITY OR COUNTY, VIRGINIA, 1968

Planning District/ City or County	PLACE OF MARRIAGE			RESIDENCE OF BRIDE			RESIDENCE OF GROOM		
	Total	White*	Nonwhite*	Total	White	Nonwhite	Total	White	Nonwhite
STATE OF VIRGINIA	68,947	55,940	13,007	68,947	56,004	12,943	68,947	55,940	13,007
District 1	1,502	1,478	24	341	833	8	792	785	7
Lee	281	279	2	205	204	1	193	193	
Scott	391	383	8	191	191		184	184	
Wise	759	745	14	431	424	7	407	400	7
Morton	71	71		14	14		8	8	
District 2	1,987	1,939	48	1,248	1,233	15	1,200	1,190	10
Buchanan	666	662	4	332	332		321	321	
Dickenson	225	223	2	162	162		155	154	1
Russell	351	349	2	315	313	2	308	303	5
Tazewell	745	705	40	439	426	13	416	410	6
District 3	2,354	2,302	52	1,656	1,626	30	1,618	1,589	29
Bland	98	95	3	53	53		63	59	4
Carroll	373	367	6	263	262	1	269	265	4
Grayson	208	202	6	172	164	8	147	145	2
Smyth	364	361	3	326	324	2	312	309	3
Washington	527	521	6	404	399	5	406	404	2
Wythe	39	369	12	249	24	9	256	249	7
Bristol	332	321	11	159	155	4	141	137	4
Galax	72	67	5	31	29	2	24	22	2
District 4	2,762	2,644	118	1,368	1,316	52	1,321	1,265	56
Floyd	106	102	4	112	107	5	105	102	3
Giles	1,560	1,511	49	165	164	1	147	146	1
Montgomery	594	562	32	649	628	21	636	607	29
Pulaski	390	367	23	351	334	17	352	329	23
Radford	112	102	10	91	83	8	31	81	
District 5	2,836	2,566	270	2,420	2,180	240	2,266	2,025	241
Alleghany	105	103	2	137	133	4	118	114	4
Botetourt	177	169	8	192	186	6	203	195	8
Craig	35	33	2	39	39		36	36	
Roanoke	665	646	19	665	651	14	547	538	9
Clifton Forge	146	138	8	41	36	5	39	34	5
Covington	293	275	18	39	31	8	38	33	5
Roanoke City	1,075	870	205	1,048	857	191	1,039	838	201
Salem	340	330	10	259	247	12	246	237	9
District 6	2,284	2,198	86	1,942	1,880	62	1,898	1,834	64
Augusta	389	380	9	439	430	9	458	453	5
Bath	132	129	3	38	36	2	49	47	2
Highland	63	63		13	13		17	17	
Rockbridge	169	166	3	153	149	4	177	176	1
Rockingham	535	522	13	664	657	7	637	623	14
Buena Vista	103	102	1	83	81	2	69	68	1
Harrisonburg	209	201	8	70	68	2	62	60	2
Lexington	95	86	9	39	35	4	35	31	4
Staunton	338	313	25	241	223	18	209	190	19
Waynesboro	251	236	15	202	188	14	185	169	16
District 7	3,354	3,244	110	1,482	1,440	42	1,445	1,392	53
Clarke	114	109	5	89	84	5	81	76	5
Frederick	255	253	2	449	444	5	425	419	6
Page	185	182	3	169	168	1	160	157	3
Shenandoah	347	345	2	269	268	1	268	267	1
Warren	310	295	15	272	264	8	272	262	10
Winchester	2,143	2,060	83	234	212	22	239	211	28
District 8	15,784	12,614	3,170	12,631	10,708	1,923	13,168	10,336	2,832
Arlington	3,286	2,348	938	1,968	1,582	386	1,988	1,637	351
Fairfax	6,068	5,229	839	6,394	5,509	885	5,969	5,125	844
Loudoun	885	827	58	701	652	49	731	676	55
Prince William	1,511	1,290	221	2,136	1,868	268	2,140	1,877	263
Alexandria	2,982	1,952	1,030	1,217	906	311	1,140	844	296
Fairfax City	73	72	1	119	105	14	116	103	13
Falls Church	418	387	31	78	70	8	63	54	9
Manassas	555	504	51	15	14	1	18	17	1
Manassas Park	6	5	1	3	2	1	3	3	
District 9	1,135	988	147	942	819	123	951	829	122
Culpeper	219	182	37	210	179	31	218	180	38
Fauquier	507	441	66	404	353	51	402	353	49
Madison	89	77	12	76	63	13	73	64	9
Orange	244	218	26	190	165	25	190	169	21
Rappahannock	76	70	6	64	59	5	68	63	5
District 10	1,455	1,229	226	1,291	1,098	193	1,281	1,069	212
Albemarle	486	440	46	530	477	53	533	472	61
Fluvanna	101	74	27	92	72	20	98	81	17
Greene	68	64	4	87	82	5	81	78	3
Louis	170	125	45	165	131	34	166	125	41
Nelson	87	72	15	74	63	11	80	64	16
Charlottesville	543	454	89	343	272	71	323	249	74
District 11	1,854	1,541	313	1,802	1,526	276	1,751	1,474	277
Amherst	245	204	41	232	203	29	234	198	36
Appomattox	114	90	24	111	84	27	120	96	24
Bedford	343	316	27	344	323	21	364	343	21
Campbell	344	299	45	474	426	48	443	397	46
Bedford City	30	18	12	44	36	8	37	30	7
Lynchburg	778	614	164	597	454	143	553	410	143

*Refers to the race of the groom.

(continued)

TABLE 47 - MARRIAGES BY PLACE OF MARRIAGE, RESIDENCE OF BRIDE, AND RESIDENCE OF GROOM
BY RACE, BY PLANNING DISTRICT AND CITY OR COUNTY, VIRGINIA, 1988 (continued)

Planning District/ City or County	PLACE OF MARRIAGE			RESIDENCE OF BRIDE			RESIDENCE OF GROOM		
	Total	White*	Nonwhite*	Total	White	Nonwhite	Total	White	Nonwhite
STATE OF VIRGINIA	68,947	35,940	13,007	68,947	36,004	12,943	68,947	35,940	13,007
District 12	2,412	1,863	547	2,096	1,622	474	2,036	1,581	455
Franklin	315	267	48	333	286	47	323	283	40
Henry	438	379	59	600	491	109	592	476	116
Patrick	180	166	14	132	117	15	134	124	10
Pittsylvania	449	337	112	416	315	101	397	301	96
Danville	614	417	197	463	309	154	445	298	147
Martinsville	416	299	117	152	104	48	145	99	46
District 13	747	472	275	642	400	242	622	386	236
Brunswick	139	64	75	118	55	63	115	49	66
Halifax	251	173	78	269	177	92	251	170	81
Mecklenburg	298	198	100	255	168	87	253	166	87
South Boston	59	37	22				3	1	2
District 14	810	539	271	693	488	205	730	496	234
Amelia	91	63	28	81	61	20	95	68	27
Buckingham	100	62	38	84	57	27	103	68	35
Charlotte	114	81	33	99	75	24	99	67	32
Cumberland	74	44	30	79	54	25	74	53	21
Lunenburg	112	75	37	104	75	29	94	66	28
Nottoway	160	108	52	123	88	35	142	98	44
Prince Edward	159	106	53	123	78	45	123	76	47
District 15	6,682	4,932	1,750	6,848	5,091	1,757	6,538	4,859	1,729
Charles City Co.	77	31	46	47	11	36	41	10	31
Chesterfield	1,315	1,195	120	1,718	1,530	188	1,572	1,396	176
Goochland	120	76	44	110	73	37	118	81	37
Hanover	545	469	76	518	458	60	527	463	65
Henrico	1,947	1,406	541	2,207	1,829	378	2,014	1,667	347
New Kent	89	76	13	101	83	18	92	74	18
Powhatan	146	123	23	108	94	14	133	118	15
Richmond City	2,443	1,556	887	2,039	1,013	1,026	2,090	1,050	1,040
District 16	1,550	1,327	223	1,459	1,262	197	1,446	1,244	202
Caroline	163	97	66	161	95	66	161	94	67
King George	151	117	34	123	101	22	121	99	22
Spotsylvania	325	291	34	476	434	42	462	418	44
Stafford	464	436	28	475	451	24	475	448	27
Fredericksburg	447	386	61	224	181	43	227	185	42
District 17	375	264	110	303	211	92	295	207	88
Lancaster	121	91	30	82	59	23	86	60	26
Northumberland	91	69	22	68	49	19	59	45	14
Richmond	49	32	17	51	37	14	50	39	11
Westmoreland	114	73	41	102	66	36	100	63	37
District 18	600	469	131	575	459	116	570	458	112
Essex	63	34	29	64	33	31	58	33	25
Gloucester	244	212	32	259	237	22	266	242	24
King and Queen	54	31	23	48	27	21	49	26	23
King William	84	62	22	72	53	19	72	51	21
Mathews	60	57	3	57	51	6	49	56	3
Middlesex	95	73	22	75	58	17	76	60	16
District 19	1,974	1,205	769	1,412	982	520	1,403	891	512
Dinwiddie	152	100	52	192	133	59	198	133	65
Greensville	46	24	22	64	31	33	62	30	32
Prince George	185	133	52	171	130	41	175	141	34
Surry	48	17	31	41	15	26	52	27	25
Sussex	107	51	56	93	47	46	95	44	51
Colonial Heights	249	238	11	164	162	2	171	167	4
Emporia	332	158	174	51	30	21	51	29	22
Hopewell	270	218	52	264	213	51	260	211	49
Petersburg	585	266	319	372	131	241	339	109	230
District 20	11,541	8,556	2,985	10,287	7,576	2,711	10,087	7,470	2,617
Isle of Wight	187	122	65	182	123	59	178	113	65
Southampton	156	82	74	135	76	59	129	77	52
Chesapeake	1,163	874	289	1,305	979	326	1,181	872	309
Franklin City	60	38	22	47	29	18	39	23	16
Norfolk	3,916	2,558	1,358	3,023	1,933	1,090	3,369	2,209	1,160
Portsmouth	1,203	725	478	1,010	574	436	893	552	341
Suffolk	456	266	190	410	227	183	369	199	170
Virginia Beach	4,400	3,891	509	4,175	3,635	540	3,929	3,425	504
District 21	4,371	3,185	1,186	3,765	2,669	1,096	3,668	2,602	1,066
James City Co.	132	90	42	290	224	66	267	209	58
York	298	265	33	253	220	33	248	214	34
Hampton	1,259	887	372	1,282	880	402	1,211	814	397
Newport News	2,035	1,357	678	1,787	1,208	579	1,793	1,234	559
Poquoson	53	53		85	83	2	67	66	1
Williamsburg	594	533	61	68	54	14	82	65	17
District 22	467	302	165	360	216	144	340	203	137
Accomack	339	241	98	251	168	83	236	153	83
Northampton	128	61	67	109	48	61	104	50	54
Unknown	105	76	29	3	1	2	2	1	1
Out-of-State	6	4	2	12,881	10,458	2,423	14,469	11,754	2,715

TABLE 48
MARRIAGES BY TYPE OF CEREMONY BY MONTH
VIRGINIA, 1988

Month	Total	Type of Ceremony		
		Religious	Civil	Unknown
TOTAL	68,947	43,300	25,542	105
January	3,261	1,786	1,474	1
February	4,332	2,300	2,017	15
March	4,110	2,153	1,952	5
April	6,031	3,794	2,223	14
May	6,732	4,454	2,252	26
June	7,437	5,060	2,354	23
July	6,953	4,519	2,426	8
August	6,476	4,095	2,377	4
September	6,457	4,325	2,127	5
October	6,397	4,415	1,979	3
November	5,014	3,121	1,892	1
December	5,747	3,278	2,469	

TABLE 49
MARRIAGES BY PREVIOUS MARITAL STATUS OF BRIDE BY PREVIOUS MARITAL STATUS OF GROOM
ACCORDING TO RACE OF GROOM, VIRGINIA, 1988

Previous Marital Status of Groom	Total	Previous Marital Status of Bride				
		Single	Widowed	Divorced	Annulled	Unknown
TOTAL	68,947	43,407	2,341	23,068	5	126
Single	44,215	35,440	416	8,288	2	69
Widowed	2,023	258	884	881		
Divorced	22,620	7,674	1,037	13,877	2	30
Annulled	9	5		3	1	
Unknown	80	30	4	19		27
WHITE (Total)	55,940	33,774	1,954	20,106	5	101
Single	34,562	27,256	284	6,965	2	55
Widowed	1,663	171	767	725		
Divorced	19,646	6,318	902	12,398	2	26
Annulled	7	4		2	1	
Unknown	62	25	1	16		20
NONWHITE (Total)	13,007	9,633	387	2,962		25
Single	9,653	8,184	132	1,323		14
Widowed	360	87	117	156		
Divorced	2,974	1,356	135	1,479		4
Annulled	2	1		1		
Unknown	18	5	3	3		7

TABLE 50 - MARRIAGES BY AGE OF BRIDE BY AGE OF GROOM, VIRGINIA, 1988

AGE OF GROOM (in years)	Total	AGE OF BRIDE (in years)																														
		Under 15	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	Unk.	
TOTAL	68,947	21	118	771	1,296	3,345	3,646	3,908	3,908	4,265	4,391	4,210	3,977	3,516	3,114	2,785	2,531	2,324	2,010	1,812	1,662	1,512	5,725	3,520	1,992	981	580	485	292	164	82	4
Under 15	2																															
15	5		2	2	1																											
16	55	1	4	23	7	13	2	1																								
17	277	3	10	57	69	68	35	17	6																							
18	1,230	6	30	138	198	355	216	121	52	32	17	13	11	7	10	3	8	4	3	1												
19	2,061	2	16	144	243	555	441	258	139	75	57	25	25	23	12	8	10	6	8	5	2	1										
20	2,979	3	15	130	218	627	587	496	303	172	110	83	48	38	38	27	15	15	6	10	5	6	19									
21	3,562	4	15	178	156	491	602	646	505	334	197	129	117	70	56	34	25	14	27	14	10	6	21	9	2							
22	3,930		7	52	129	357	460	560	583	532	390	218	175	114	80	65	37	36	31	18	11	35	17	3								
23	4,223	1	9	43	89	263	346	451	504	647	619	369	240	162	103	84	58	52	41	21	29	14	60	16	2							
24	4,384		1	25	45	172	270	383	432	590	617	573	340	215	180	124	100	78	51	44	34	31	56	19	3							
25	4,283		3	24	44	118	210	270	337	436	537	567	493	333	224	162	119	84	58	51	41	41	96	25	10							
26	3,755	1	2	9	28	94	126	162	239	340	416	453	460	380	240	195	146	92	74	69	58	44	95	19	9	3	1					
27	3,497			13	16	60	105	136	189	259	331	361	403	369	307	233	159	123	99	71	53	48	110	44	4	3	1					
28	3,118		2	10	12	40	54	89	136	199	228	296	318	318	289	246	206	153	100	100	62	81	124	37	15	2						
29	2,878			5	11	34	57	72	99	152	192	229	251	292	249	264	216	165	127	107	77	64	159	46	10							
30	2,608					19	31	49	84	96	138	191	212	212	261	247	210	192	131	104	78	80	196	59	9	1						
31	2,352			4		18	28	56	65	69	116	124	149	207	198	176	195	194	157	123	95	65	220	66	19	5	3					
32	2,158			1	5	16	15	35	52	74	98	120	143	156	143	142	158	180	147	134	111	91	231	75	24	4	3					
33	1,901			4	2	5	13	23	38	56	73	86	117	113	130	135	158	145	146	108	123	83	249	62	25	7						
34	1,744			2	3	7	9	21	33	29	69	77	85	101	114	117	134	122	110	110	117	109	253	91	25	6						
35-39	6,410		1	3	7	20	29	39	71	113	109	187	250	249	296	314	357	393	396	407	403	358	1,542	635	180	37	10	2	1			
40-44	4,385			3	3	10	3	15	25	33	47	65	93	113	122	135	143	173	211	193	215	227	1,216	919	331	66	17	5	2			
45-49	2,715			1		1	6	3	9	15	12	22	37	20	43	53	45	71	53	77	89	92	615	734	499	156	43	13	5	1		
50-54	1,561						1	4	4	5	6	12	6	11	10	10	15	16	18	29	24	40	247	372	389	223	67	22	7	2		
55-59	1,051							1	2	4	4	2	4	6	6	4	10	12	12	7	8	13	108	162	226	241	149	53	16	3	1	
60-64	720								1		1	2	4	7	1	5	5	2	3	3	6	3	40	57	120	128	130	143	44	14	4	
65-69	548								1	1	1	1	1	1	1	1	1	2	2	2	4	2	21	40	54	67	104	124	92	21	11	
70-74	322									1	1	1											7	20	21	35	83	72	57	13		
75+	253																						2	10	10	17	40	52	66	53		

TABLE 51 - DIVORCES (INCLUDING ANNULMENTS) BY RACE OF HUSBAND AND CAUSE OF DIVORCE
BY PLANNING DISTRICT AND CITY OR COUNTY WHERE GRANTED, VIRGINIA, 1968

Planning District/ City or County	ALL DIVORCES (Including Annulments)			CAUSE OF DIVORCE					
	Total	White	Nonwhite	Separation	Desertion	Adultery	Imprison- ment	Other & Unknown	Annul- ments
STATE OF VIRGINIA	26,013	21,899	4,114	24,511	718	294	60	359	71
District 1	410	405	5	374	24	9	1		2
Lee	111	111		104	3	1			1
Scott	78	78		71	6	1			
Wise	220	215	5	198	13	7	1		1
Norton	1	1		1					
District 2	487	483	2	445	23	6	1	7	3
Buchanan	90	90		82	4			3	1
Dickenson	83	83		75	5	1			2
Russell	117	116	1	112	2	1	1	1	
Tazewell	197	196	1	176	14	4		3	
District 3	780	770	10	731	23	10	5	7	4
Bland	23	23		21		1		1	
Carroll	157	157		151	3	1		1	1
Grayson	74	72	2	69	3	1		1	
Smyth	157	155	2	148	7	2			
Washington	186	185	1	174	3	4	2	2	1
Wythe	118	117	1	109	5		2		2
Bristol	65	61	4	59	2	1	1	2	
Galax	(Included with Carroll and Grayson Cos.)								
District 4	633	603	30	583	26	8	1	13	
Floyd	32	32		48	4				
Giles	89	87	2	78	4	1		6	
Montgomery	301	288	13	274	14	4		9	
Pulaski	138	133	5	131	3	3	1		
Radford	53	43	10	52	1				
District 5	1,268	1,156	112	1,121	66	8	7	63	3
Alleghany	79	78	1	50	6	2		21	
Botetourt	102	100	2	102					
Craig	30	30		26	2			1	1
Roanoke	387	379	8	371	9	2	2	3	
Clifton Forge	15	11	4	13		1			1
Covington	(Included with Alleghany County)								
Roanoke City	527	433	94	437	45	3	3	38	1
Salem	128	125	3	122	4		2		
District 6	944	908	36	891	15	17	3	16	2
Augusta	240	236	4	230	4	4	1	1	
Bath	32	25	7	23	1	5		2	1
Highland	7	7		7					
Rockbridge	113	109	4	106	3	1		3	
Rockingham	319	310	9	306	2	6	1	3	1
Buena Vista	22	22		21				1	
Harrisonburg	(Included with Rockingham County)								
Lexington	(Included with Rockbridge County)								
Staunton	112	105	7	102	4	1		5	
Waynesboro	99	94	5	96	1		1	1	
District 7	721	697	24	687	7	8	4	13	
Clarke	28	27	1	27		1			
Frederick	185	183	2	178	1	2	1	3	
Page	81	77	4	66	5	3		7	
Shenandoah	149	147	2	146			3		
Warren	135	132	3	132	1	1		1	
Winchester	143	131	12	138		1		4	
District 8	5,460	4,751	709	5,238	102	40	9	53	18
Arlington	694	582	112	656	20	6	1	8	3
Fairfax	2,848	2,503	345	2,761	39	14	3	24	7
Loudoun	339	327	12	325	2	4	1	6	1
Prince William	1,046	957	89	1,005	21	9	3	5	3
Alexandria	533	382	151	491	20	7	1	10	4
Fairfax City	(Included with Fairfax County)								
Falls Church	(Included with Fairfax County)								
Manassas	(Included with Prince William County)								
Manassas Park	(Included with Prince William County)								
District 9	451	404	47	427	7	8	3	5	1
Culpeper	95	78	17	92	1	1		1	
Fauquier	200	179	21	192	3	3	1		1
Madison	44	44		41	1	2			
Orange	84	75	9	75	2	2	2	3	
Rappahannock	28	28		27				1	
District 10	629	542	87	601	4	11		12	1
Albemarle	272	249	23	257	3	8		4	
Fluvanna	47	42	5	46				1	
Greene	28	28		26				2	
Louisa	80	62	18	77				3	
Nelson	39	36	3	37		1		1	
Charlottesville	163	125	38	158	1	2		1	1
District 11	809	714	95	740	24	35	3	6	1
Amherst	105	93	12	101	1	2		1	
Appomattox	41	33	8	38		2			
Bedford	203	192	11	178	15	4	2	3	1
Campbell	211	199	12	195	3	11		2	
Bedford City	(Included with Bedford County)								
Lynchburg	249	197	52	228	4	16	1		

(continued)

TABLE 51 - DIVORCES (INCLUDING ANNULMENTS) BY RACE OF HUSBAND AND CAUSE OF DIVORCE
BY PLANNING DISTRICT AND CITY OR COUNTY WHERE GRANTED, VIRGINIA, 1988 (continued)

Planning District/ City or County	ALL DIVORCES (Including Annulments)			CAUSE OF DIVORCE					
	Total	White	Nonwhite	Separation	Desertion	Adultery	Imprison- ment	Other & Unknown	Annul- ments
STATE OF VIRGINIA	26,013	21,899	4,114	24,511	718	294	60	359	71
District 12	1,069	907	162	1,008	38	7	4	11	1
Franklin	136	122	14	122	8	3		3	
Henry	298	267	31	274	14	3	2	5	
Patrick	82	80	2	79	1			2	
Pittsylvania	239	210	29	230	7		1	1	
Danville	252	184	68	243	6	1	1		1
Martinsville	62	44	18	60	2				
District 13	288	188	100	278	3		2	5	
Brunswick	44	21	23	40	1		1	2	
Halifax	141	96	45	140			1		
Mecklenburg	103	71	32	98	2			3	
South Boston	(Included with Halifax County)								
District 14	337	242	95	321	6	1	1	8	
Amelia	30	21	9	29	1				
Buckingham	45	28	17	44				1	
Charlotte	35	30	5	35					
Cumberland	41	34	7	40		1			
Lunenburg	54	46	8	54					
Nottoway	68	43	25	63	4		1		
Prince Edward	64	40	24	56	1			7	
District 15	3,300	2,524	776	3,149	88	23	6	27	7
Charles City Co.	18	5	13	16	1	1			
Chesterfield	935	853	82	875	37	9	1	12	1
Goochland	43	33	10	41		1		1	
Hanover	289	269	20	279	2	1		6	1
Henrico	1,054	873	181	1,013	29	5	1	4	2
New Kent	53	46	7	47	3	1	1	1	
Powhatan	57	53	4	55	1				1
Richmond City	851	392	459	823	15	5	3	3	2
District 16	661	600	61	625	13	13	2	5	3
Caroline	36	38	18	51		2		3	
King George	58	52	6	56	2				
Spotsylvania	236	236	20	242	4	5	1	1	3
Stafford	223	216	7	213	4	5	1		
Fredericksburg	68	58	10	63	3	1		1	
District 17	152	121	31	137	4	1		10	
Lancaster	39	33	6	31		1		7	
Northumberland	32	24	8	29	1			2	
Richmond	26	25	1	23	2			1	
Westmoreland	55	39	16	54	1				
District 18	267	233	34	254	2	2	1	6	2
Essex	26	18	8	24			1	1	
Gloucester	133	123	10	127	2	1		1	2
King and Queen	23	15	8	22				1	
King William	31	28	3	31					
Mathews	29	27	2	28				1	
Middlesex	25	22	3	22		1		2	
District 19	665	459	206	614	26	8	1	11	5
Dinwiddie	78	67	11	72	4			2	
Greensville	46	26	20	41	1	1		3	
Prince George	116	88	28	109	4	2		1	
Surry	15	8	7	15					
Sussex	25	13	12	22	1			1	1
Colonial Heights	97	97		86	9			2	
Emporia	(Included with Greensville County)								
Hopewell	120	96	24	115	3	2			
Petersburg	168	64	104	154	4	3	1	2	4
District 20	4,599	3,656	943	4,273	197	55	4	56	14
Isle of Wight	72	56	16	69	2			1	
Southampton	83	57	26	81	1			1	
Chesapeake	608	496	112	570	25	9	1	1	2
Franklin City	(Included with Southampton County)								
Norfolk	1,228	831	397	1,143	41	20		18	6
Portsmouth	468	320	148	417	29	2	1	16	3
Suffolk	165	109	56	158	6			1	
Virginia Beach	1,975	1,787	188	1,835	93	24	2	18	3
District 21	1,934	1,430	504	1,868	18	22	2	20	4
James City Co.	150	129	21	144	2	2		2	
York	205	185	20	192	4	3		6	
Hampton	621	443	178	600	8	6	1	6	
Newport News	916	641	275	890	4	11	1	6	4
Poquoson	(Included with York County)								
Williamsburg	42	32	10	42					
District 22	149	104	45	146		2		1	
Accomack	98	73	25	97		1			
Northampton	51	31	20	49		1		1	

TABLE 52
DIVORCES (INCLUDING ANNULMENTS) AND ANNULMENTS ONLY BY RACE BY MONTH OF DECREE
VIRGINIA, 1988

Month	Final Divorces (including Annulments)			Annulments Only		
	Total	White	Nonwhite	Total	White	Nonwhite
TOTAL	26,013	21,899	4,114	71	60	11
January	1,683	1,425	258	6	5	1
February	1,817	1,492	325	2	1	1
March	2,295	1,904	391	7	6	1
April	2,107	1,803	304	8	6	2
May	2,226	1,877	349	8	7	1
June	2,462	2,067	395	6	6	
July	2,073	1,775	298	3	3	
August	2,296	1,918	378	6	6	
September	2,138	1,783	355	8	8	
October	2,167	1,819	348	7	4	3
November	2,060	1,735	325	5	3	2
December	2,689	2,301	388	5	5	

TABLE 53
DIVORCES (INCLUDING ANNULMENTS) BY RACE OF HUSBAND BY PLACE OF MARRIAGE
AND NUMBER OF MINOR CHILDREN IN FAMILY, VIRGINIA, 1988

Place of Marriage/Minor Children	Total	White	Nonwhite
ALL DIVORCES AND ANNULMENTS	26,013	21,899	4,114
By place of marriage:			
State of Virginia	17,736	14,814	2,922
Outside of Virginia	8,269	7,078	1,191
Unknown	8	7	1
By number of minor children in family:			
No children	13,184	11,237	1,947
1 child	6,964	5,837	1,127
2 children	4,433	3,692	741
3 children	1,049	838	211
4 children	184	134	50
5 children	26	20	6
6 children	8	5	3
7 children	3	1	2
8 children			
9 children			
10 children or more	1	1	
Unknown	161	134	27

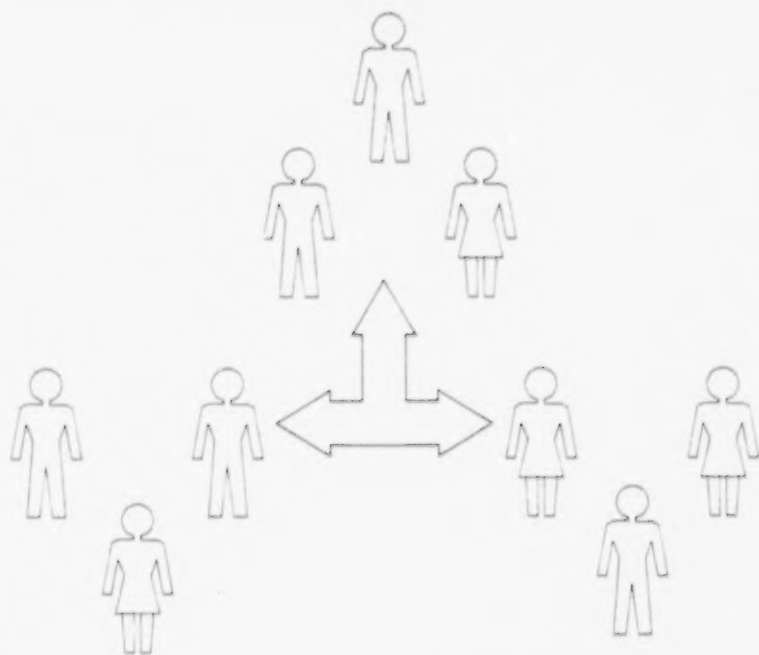
TABLE 54
DIVORCES (INCLUDING ANNULMENTS) BY DURATION OF MARRIAGE AND PERSON GRANTED DIVORCE
BY PLAINTIFF AND CAUSE OF DIVORCE, VIRGINIA, 1988

Cause	PLAINTIFF	TOTAL	DURATION OF MARRIAGE IN YEARS															Unk.	40+	GRANTED TO			
			Under 1 Year	1	2	3	4	5	6	7	8	9	10-	15-	20-	25-	30-			35-	Husband	Wife	Other Unknown
ALL CAUSES	Total	26,013	113	1,112	1,979	2,282	2,228	1,990	1,742	1,571	1,415	1,166	3,980	2,727	1,823	952	477	230	131	95	10,418	15,050	545
	Husband	10,376	52	447	756	865	885	774	646	599	541	434	1,608	1,126	770	436	212	112	68	45	9,782	398	196
	Wife	15,574	60	662	1,221	1,413	1,338	1,209	1,092	970	871	731	2,359	1,595	1,047	511	265	117	63	50	631	14,641	302
	Oth./Unk.	63	1	3	2	4	5	7	4	2	3	1	13	6	6	5		1			5	11	47
Separation for more than six months	Total	24,511	92	1,019	1,874	2,168	2,115	1,891	1,655	1,501	1,325	1,101	3,758	2,549	1,715	879	444	216	121	88	9,941	14,120	450
	Husband	9,880	43	411	721	819	840	737	612	582	509	413	1,542	1,076	741	413	201	111	65	44	9,349	364	167
	Wife	14,585	48	606	1,151	1,346	1,271	1,149	1,039	918	814	688	2,207	1,468	969	463	243	105	56	44	587	13,746	252
	Oth./Unk.	46	1	2	2	3	4	5	4	1	2		9	5	5	3					5	10	31
Desertion	Total	718	2	38	49	59	53	32	43	29	42	38	121	92	55	34	18	5	4	4	253	450	15
	Husband	250		14	18	26	21	15	17	10	16	13	36	26	14	15	7		2	4	225	19	6
	Wife	467	2	24	31	32	32	17	26	19	26	25	85	66	41	19	11	5	2		28	431	8
	Oth./Unk.	1				1																	1
Adultery, Sodomy	Total	294	3	10	8	14	20	30	16	12	21	10	47	40	30	21	5	6	1		126	162	6
	Husband	129	3	8	3	8	13	17	10	4	10	5	19	16	8	5					114	11	4
	Wife	164		2	5	6	7	13	6	8	11	5	28	24	22	16	5	1			12	150	2
	Oth./Unk.	1																					1
Imprisonment	Total	60		10	8	8	5	4	2	4	5	4	3	6		1					5	54	1
	Husband	5		2					1												5		
	Wife	55		8	8	8	5	4		4	5	3	2	6		1						54	1
	Oth./Unk.																						
Cruelty	Total	170	1	3	8	13	18	15	17	13	9	6	15	21	14	8	5	2	2		13	149	8
	Husband	15		2		1	2	1	1	1	1	1	1	1	1	1	1	1			13	2	
	Wife	155	1	1	8	12	16	14	16	13	8	5	15	20	12	7	4	1	2		13	147	8
	Oth./Unk.																						
Other/Unknown	Total	189		8	20	12	12	16	7	12	11	7	36	17	8	8	5	1	3	3	55	75	59
	Husband	71		4	8	9	6	4	5	3	4	1	9	7	4	2	3		1		52	22	17
	Wife	103		3	12	8	5	10	2	8	6	5	21	9	3	4	2	1	2		3	73	27
	Oth./Unk.	15		1		1	1	2		1	1	1	4	1	1	2						15	
Annulments	Total	71	15	24	12	3	5	2	2	2	2	2	2	2	1	1					25	40	6
	Husband	26	6	6	6	2	3	2			1	1	1	1	1						26	2	2
	Wife	45	9	18	6	1	2	2	2												1	40	4
	Oth./Unk.																						

TABLE 55
DIVORCES (INCLUDING ANNULMENTS) BY AGE OF WIFE BY AGE OF HUSBAND, VIRGINIA, 1988

Age of Husband (in years)	Total	AGE OF WIFE (in years)																										Unk.			
		15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35- 39	40- 44	45- 49	50- 54	55- 59	60- 64		65- 69	70- 74	75 +
TOTAL	26,013	4	20	70	174	357	552	688	952	1,121	1,192	1,139	1,213	1,173	1,153	1,140	1,095	1,062	989	973	4,148	3,100	1,794	823	427	234	121	43	26	230	
15																															
16	12	1	1	4	3	2																									
17	37	2	1	5	11	5	4	3	2																						
18																															
19																															
20	123	1	2	13	21	28	29	14	4	3																					
21	262	6	18	29	58	53	33	26																							
22	398	2	7	34	63	83	74	57																							
23	602	2	9	29	52	96	116	116																							
24	730	7	20	44	79	110	148																								
25	926	1	6	33	61	101	162																								
26	982	1	1	5	24	40	67	120																							
27	1,077	1	2	5	12	27	32	85																							
28	1,124	3	11	24	48	64																									
29	1,116	1	2	1	7	10	26	51																							
30	1,100																														
31	1,138	1	1	1	4	8	12	31																							
32	1,052	2	2	9	15	11																									
33	1,061	2	1	5	5	9	21	36																							
34	1,023	2	1	8	5	5	20	19																							
35-39	4,529	1	1	2	4	2	9	18																							
40-44	3,502																														
45-49	2,289																														
50-54	1,293																														
55-59	762																														
60-64	393																														
65-69	201																														
70-74	75																														
75 & Over ..	62																														
Unknown ..	144																														

Communicable Disease



COMMUNICABLE DISEASE

Nineteen persons were reported with amebiasis in 1988, representing a 62 percent decrease from the 50 cases reported in 1987. Nine cases were male, 7 female, and 3 sex unknown.

The number of reported cases of aseptic meningitis decreased to 210 in 1988. The etiologic agent was reported for less than five percent of the cases. Of the 10 agents identified, 7 were echoviruses. Three deaths were reported.

In 1988, 184 cases of bacterial meningitis (excluding meningococcal) were reported. While this is only 1 case less than in 1987, it does represent a 23 percent decrease from the 239 cases reported in 1986. The predominating etiologies included Haemophilus influenzae (46 percent) and Streptococcus pneumoniae (21 percent). Of the 25 bacterial meningitis deaths reported (excluding meningococcal), 24 percent were due to H. influenzae, and 44 percent were due to S. pneumoniae. Seventeen percent of the H. influenzae meningitis cases were reported as ampicillin resistant.

The one case of brucellosis reported in 1988 was abattoir-associated.

Seven hundred thirty-one Campylobacter infections were reported in 1988, representing a 14 percent increase over the previous year. Of the cases where sex was noted, males and females were almost evenly represented, 51 and 49 percent, respectively. C. jejuni accounted for almost 92 percent of the 443 cases whose species were identified.

Forty-four cases of encephalitis were reported in 1988, 1 more than in 1987. Ten cases were due to herpes virus which included 4 cases of encephalitis secondary to chickenpox. The etiologic agent was not identified for 17 cases. There were 16 deaths.

Seven of the 15 foodborne outbreaks reported in 1988 were caused by Salmonella, 5 of which were caused by S. enteritidis. Four outbreaks of S. enteritidis infection were related to the consumption of raw or undercooked eggs. An outbreak of restaurant associated hepatitis A was traced to poor personal hygiene of a worker responsible for handling food which was not cooked.

Reported cases of giardiasis decreased for the third consecutive year. The 250 cases reported in 1988 represented a decrease of almost 6 percent from the 262 cases reported in 1987, and a 39 percent decrease from the peak of 408 cases reported in 1985.

The number of reported cases of hepatitis A (362) increased by 48 percent over the 244 cases of the previous year. Approximately 83 percent of hepatitis A cases occurred in persons under forty years of age, and the male to female ratio was 1.5:1. Two-thirds of the cases were reported from the Eastern Region of the state which experienced two hepatitis A outbreaks during the first six months of 1988. These 2 outbreaks (foodborne and person-to-person transmission) accounted for over 100 of the reported cases in 1988. As in 1987, no deaths due to hepatitis A were reported.

The number of reported hepatitis B cases (343) decreased again in 1988, down 23 percent from the 448 cases reported in 1987. This 2 year decline follows 4 years of relative stability (540 cases in 1986, 558 in 1985, 522 in 1984, and 528 in 1983). As with hepatitis A, the majority (81 percent) of the cases

occurred in persons under 40 years of age with a male to female ratio of 1.5:1. Four males and 3 females expired as a result of hepatitis B.

The number of reported hepatitis Non-A, Non-B cases increased to 77 in 1988. Forty-seven of those cases and 8 of the 10 reported deaths were male.

Seven cases of histoplasmosis were reported in 1988. There were 3 deaths among the 7 cases which were all males.

Kawasaki syndrome cases ranged in age from newborn to six years. The 14 reported cases (no deaths) were evenly divided between males and females.

The number of reported cases of legionellosis decreased by one in 1988. Males accounted for 73 percent of the 11 cases which ranged in age from 33 to 76 years. Two deaths were reported.

Voluntary reporting of Lyme disease (a tickborne illness) resulted in 29 cases being reported in 1988. The cases ranged in age from 6 to 67 years with 69 percent being over age 30. The geographic distribution showed cases were highest in the Central and Eastern Regions of the State.

Twenty-three cases of malaria were reported during 1988. Africa was the geographic origin of malaria for 15 (65 percent) of the cases. Eight cases were laboratory confirmed as Plasmodium falciparum, 7 as P. vivax, and 1 as P. malariae. The species was not determined for seven cases.

Fifty-nine meningococcal infection cases were reported in 1988, representing an 18 percent decrease from the 72 reported cases in 1987. Children under the age of 5 represented 56 percent of the cases. The 12 reported deaths included 7 females and 5 males.

Eight nosocomial outbreaks were reported in 1988, affecting 2 to 9 persons each. Three of the outbreaks were caused by Staphylococcus aureus. The causes of the others included the hepatitis B virus, mites, a streptococcal organism, a virus, and an unknown agent.

The number of laboratory confirmed rabid animals for 1988 was 366, only 3 more than reported in 1987 and approximately one half of the 745 reported in the peak year of 1982. Rabid raccoons accounted for 220 (60 percent) of the rabid animals and were reported from 42 counties and cities. This reflected an expansion of the raccoon rabies outbreak into eight new counties and cities; Amelia, Charles City, Craig, James City, Nottoway, Pulaski, Williamsburg, and York. Skunks accounted for 89 of the rabid animals, foxes 24, cats 13, bats 11, cattle 2, groundhogs 2, bobcats 1, dogs 1, goats 1, horses 1, and sheep 1.

Reported cases of Rocky Mountain spotted fever (RMSF) decreased in 1988. Fifty-three percent of the 17 cases occurred in persons between the ages of 2 and 29. Breaking the trend of previous years, females outnumbered males by one. The majority (65 percent) of cases were reported from the Central and Southwest Regions of the State. Two deaths due to RMSF, one male and one female, were reported.

Salmonella infections (exclusive of S. typhi) decreased by 5 percent from the previous year. Of the 1,733 reported cases, the predominating serotypes continued to be S. typhimurium (23 percent), S. enteritidis (14.5 percent), S. heidelberg (7.5 percent), and S. hadar (6 percent). The seven deaths reported included 6 adults and one person of unknown age. Of the 6 adults, 4 were over 60 years of age.

The number of reported cases of shigellosis doubled for the second consecutive year in 1988. There were 497 cases reported as compared to 247 cases in 1987, and 101 in 1986. The species was available for 440 cases. Shigella sonnei accounted for the majority of those (399), followed by S. flexneri (36), S. boydii (4), and S. dysenteriae (1). Increased person-to-person transmission of Shigella was reported Statewide, however, the most noticeable increases occurred in the Central and Eastern Regions of the State. They accounted for 299 (60 percent) of the reported cases in 1988, compared to 75 (30 percent) of the reported cases in 1987.

Two cases of toxic shock syndrome (TSS) were reported in 1988. Both cases occurred in females under the age of 30. No deaths were reported.

Two cases of tularemia were reported in 1988. Neither of the cases (one male and one female) resulted in deaths.

A total of 13 cases of typhoid fever were reported from 5 localities in 1988. The distribution of cases by sex included 8 males and 5 females. Cases ranged in age from 3 to 64 years. Six (46 percent) of the typhoid fever cases reported in 1988 were exposed to S. typhi outside the United States. No deaths associated with typhoid fever were reported.

Seven Vibrio infection cases were reported, including one death. V. parahemolyticus caused 3 of the infections, V. vulnificus caused 2, and V. cholerae (non-01) caused 2.

TUBERCULOSIS

Reported tuberculosis morbidity decreased from 458 cases in 1987 to 406 cases in 1988. This 11 percent decrease gave Virginia a case rate of 6.8 per 100,000 population compared with a national case rate of 9.1 per 100,000.

Twenty percent of the Virginia cases occurred in the foreign born, while 38 percent of all cases were 65 years or older. Rates for nonwhites were at least three times greater than whites in all age cohorts.

VACCINE-PREVENTABLE DISEASES

Four hundred twenty cases of vaccine-preventable diseases were reported in 1988 as compared to 148 cases in 1987.

Measles morbidity increased from 1 case in 1987 to 239 cases in 1988 due to outbreaks in Prince William, Winchester, and Lynchburg, Virginia. The Lynchburg outbreak resulted in 95 cases.

Mumps morbidity increased from 88 cases in 1987 to 139 cases in 1988. Sixty-five of the 139 cases were reported from a college campus during the spring semester.

Rubella (German measles) morbidity increased from 1 case in 1987 to 11 cases in 1988. All eleven cases were part of an outbreak in the Northwest Region during the month of April.

Twenty-nine cases of pertussis were reported in 1988. This represents a decrease from 58 cases in 1987. Fifty-six cases were reported in 1986.

Reported cases of tetanus increased from 0 cases in 1986 and 1987 to 2 cases in 1988. A 42 year old male patient died 16 days after disease onset. The other patient, a 69 year old female, survived.

There were no cases of polio or diphtheria reported in 1988.

SEXUALLY TRANSMITTED DISEASES/AIDS

During 1988, a total of 1,400 cases of syphilis were reported in Virginia: 449 primary and secondary cases (a 41 percent increase over 1987); 373 early latent cases (a 49 percent increase over 1987); and 578 other syphilis cases (a 21 percent increase over 1987). The total reported early syphilis cases (822) increased by 45 percent over the 568 cases reported in 1987.

There was an increase of 1 percent in total gonorrhea cases reported, from 14,353 cases in 1987 to the 14,464 cases in 1988. The 8,152 cases in males represented a 0.7 percent increase compared to the 8,096 cases reported in 1987. The overall increase in gonorrhea ends a trend of decreases which began in 1976.

Sexually transmitted disease epidemiologists applied aggressive contact interview/referral procedures to 2,080 high risk gonorrhea patients during calendar year 1988 compared to 2,239 high risk patients in 1987. The targeted high risk groups were females with gonococcal pelvic inflammatory disease (GPID), asymptotically infected male sex partners, pregnant females, male/female repeaters (two or more infections within six consecutive months), culture positive females from hospital emergency rooms, patients infected with Penicillinase Producing Neisseria Gonorrhoeae (PPNG), Tetracycline Resistant Neisseria Gonorrhoeae (TRNG), and Chromosomally Mediated Resistant Neisseria Gonorrhoeae (CMRNG).

The 449 GPID cases reported in 1988 represented a 13.5 percent decrease from the 519 cases reported in 1987. The percent of GPID among total reported gonorrhea cases in females decreased from 8.2 percent in 1987 to 7.1 percent in 1988.

PPNG has become endemic in Virginia, representing 3.8 percent of its total number of gonorrhea cases. A total of 549 PPNG cases were identified in 88 compared to 153 in 1987, a 259 percent increase. Eighteen percent of the cases were identified through the use of the epidemiologic process, 5 percent through screening, and 77 percent through the voluntary presentation of patients for examination. Fifty-seven percent of the cases were in males and 43 percent were in females. This is consistent with Virginia's total gonorrhea morbidity. The Northern Region reported the most cases (340/62 percent), followed by the Eastern (139/25 percent), Central (36/7 percent), Southwest (18/3 percent), and the Northwest Region (16/3 percent). Seventy-five percent of the cases occurred in persons ages 15-29 years.

Other resistant gonorrhea cases for 1988 included 8 cases of CMRNG (a decrease of 1 from 1987) and 32 TRNG cases (an increase of 3 over 1987).

There were 376 cases of acquired immunodeficiency syndrome (AIDS) reported in 1988, a 39 percent increase over the 270 cases reported the previous year. The vast majority were reported from the Northern Region, the area which comprises Virginia's portion of the Washington, D.C. suburbs. Beginning in May of 1986, STD Clinic patients were offered human immunodeficiency virus (HIV) antibody testing, pre- and post-test counseling, sex partner referral and counseling. Testing for HIV antibody has been expanded to include other health department clinics. From September, 1986 through December, 1988, 96,041 persons presented for services in STD Clinics, 80,897 (84 percent) of whom were pre-counseled and offered the HIV antibody test. Of those pre counseled, 30,788 (38 percent) elected to be tested of which 858 (3 percent) were positive.

TABLE 56
REPORTED CASES AND DEATHS FROM CERTAIN COMMUNICABLE DISEASES WITH CASE RATES PER 100,000 ESTIMATED POPULATION
VIRGINIA, 1979-1988

Year	AIDS			AMEBIASIS			BRUCELLOSIS			CHICKENPOX			HEPATITIS (All Types)			LEGIONELLOSIS		
	Cases	Case Rates	Deaths	Cases	Case Rates	Deaths	Cases	Case Rates	Deaths	Cases	Case Rates	Deaths	Cases	Case Rates	Deaths	Cases	Case Rates	Deaths
1979	N.A.		N.A.	49	0.9	0	17	0.3	0	963	18.3	2	938	17.8	N.A.	18	0.3	1
1980	N.A.		N.A.	63	1.2	1	5	0.1	0	483	9.0	1	999	18.7	N.A.	19	0.4	0
1981	N.A.		N.A.	39	0.7	0	9	0.2	0	1,723	31.7	0	914	16.8	N.A.	21	0.4	0
1982	6	0.1	N.A.	68	1.2	0	11	0.2	0	924	16.9	0	887	16.2	N.A.	29	0.5	4
1983	25	0.5	5	91	1.6	1	24	0.4	0	1,277	23.1	1	830	15.0	N.A.	24	0.4	5
1984	39	0.7	17	33	0.6	0	8	0.1	0	1,189	21.2	0	793	14.2	N.A.	33	0.6	3
1985	104	1.8	41	78	1.4	0	3	0.1	0	1,789	31.2	1	886	15.5	N.A.	27	0.5	2
1986	169	2.9	80	44	0.8	0	3	0.1	0	2,324	40.1	2	812	14.0	N.A.	29	0.5	6
1987	270	4.6	194	50	0.9	0	0	0.0	0	2,754	46.9	0	939	16.0	N.A.	12	0.2	7
1988	376	6.3	259	19	0.3	0	1	*	0	1,733	29.1	3	1,039	17.5	N.A.	11	0.2	6

Year	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS			MENINGITIS (Aseptic)			MUMPS			PERTUSSIS			ROCKY MOUNTAIN SPOTTED FEVER		
	Cases	Case Rates	Deaths	Cases	Case Rates	Deaths	Cases	Case Rates	Deaths	Cases	Case Rates	Deaths	Cases	Case Rates	Deaths	Cases	Case Rates	Deaths
1979	288	5.5	0	87	1.7	15	266	5.1	N.A.	105	2.0	0	16	0.3	0	90	1.7	2
1980	339	6.3	0	67	1.3	8	188	3.5	N.A.	87	1.6	0	10	0.2	0	96	1.8	0
1981	18	0.3	0	103	1.9	18	274	5.0	N.A.	134	2.5	0	10	0.2	0	105	1.9	1
1982	14	0.3	0	72	1.3	3	262	4.8	N.A.	44	0.8	0	29	0.5	0	74	1.4	3
1983	23	0.4	0	81	1.5	11	338	6.1	N.A.	37	0.7	0	50	0.9	0	60	1.1	3
1984	5	0.1	0	66	1.2	7	264	4.7	N.A.	20	0.4	0	19	0.3	0	47	0.8	1
1985	28	0.5	0	57	1.0	5	418	7.3	N.A.	49	0.9	0	21	0.4	0	24	0.4	0
1986	60	1.0	0	79	1.4	3	311	5.4	N.A.	46	0.8	0	56	1.0	0	51	0.9	2
1987	1	*	0	72	1.2	5	281	4.8	N.A.	88	1.5	0	58	1.0	0	22	0.4	0
1988	239	4.0	0	59	1.0	11	210	3.5	N.A.	139	2.3	0	29	0.5	0	17	0.3	1

Year	RUBELLA			SALMONELLOSIS			SHIGELLOSIS			TETANUS			TUBERCULOSIS			TYPHOID FEVER		
	Cases	Case Rates	Deaths	Cases	Case Rates	Deaths	Cases	Case Rates	Deaths	Cases	Case Rates	Deaths	Cases	Case Rates	Deaths	Cases	Case Rates	Deaths
1979	208	4.0	0	1,151	21.9	3	274	5.2	0	3	0.1	0	2	*	0	6	0.1	0
1980	42	0.8	0	1,303	24.4	3	198	3.7	0	3	0.1	0	1	*	0	9	0.2	0
1981	9	0.2	0	1,572	29.0	4	1,211	22.3	0	0	0.0	0	4	0.1	0	1	*	0
1982	12	0.2	0	1,468	26.9	1	159	2.9	0	2	*	0	5	0.1	0	4	0.1	0
1983	2	*	0	1,471	26.6	2	285	5.2	0	2	*	0	1	*	0	16	0.3	0
1984	1	*	0	1,255	22.4	5	201	3.6	1	1	*	0	1	*	0	8	0.1	0
1985	2	*	0	1,651	28.8	3	88	1.5	1	3	0.1	0	1	*	0	3	0.1	0
1986	0	0.0	0	1,456	25.1	2	101	1.7	0	0	0.0	0	3	0.1	0	11	0.2	0
1987	1	*	0	1,830	31.2	6	247	4.2	0	0	0.0	0	2	*	0	10	0.2	0
1988	11	0.2	0	1,733	29.1	2	497	8.4	0	2	*	0	2	*	0	13	0.2	0

NOTE: Numbers of deaths are from death certificate information.

N.A. = Not available.

* = Less than 0.05

TABLE 37
REPORTED CASES OF CERTAIN COMMUNICABLE DISEASES BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE, VIRGINIA, 1968

Planning District/ City or County	Asaph- axis	Asaphic Menin- gitis	Chicken- pox	Hepatitis			Legionel- losis	Malaria	Measles (Rubella)	Meningo- coccal infect- ions	Whooping Cough	Salmonel- losis	Shigel- losis	Tubercu- losis	Rocky Mountain Spotted Fever	Enceph- alitis
				Type A	Type B	Type Unspec- ified	Type Non-A Non-B									
STATE OF VIRGINIA	19	210	1,733	362	343	257	77	11	23	239	139	1,733	497	406	16	44
District 1																
Lee			2			1	2					18		4		
Scott			4			1						11		3		
Wise			1				2					1		1		
Morton*												6				
District 2																
Buchanan			9			2	1					17	1	7		
Dickenson			5									7	1	1		
Russell			4			2						2	1	1		
Taxewell												8				
District 3																
Bland			11	1	4	1	3		1			32	1	4	2	1
Carroll			1									3				
Grayson																
Smyth			7		1		1		1			1		1		1
Washington			1		2		1					14		2		
Wythe			1				1					11	1	1		
Bristol			2	1	1	1	1					2				
Galax												1	1		1	
District 4																
Floyd		3	33	7	4	4			1			22		4		1
Giles			4									2				
Montgomery		2	14	2	2	2						2		3		1
Pulaski			8	3	3							6		1		
Radford		1	7	1	1	2			1			7		1		
District 5																
Alleghany	1	5	58	5	26	7		1	1			52	8	19	2	4
Botetourt												5	3	3		1
Craig			2		1							3	1	1		
Kanawha		1	10		5	1			1			13	1	3		
Clifton Forge																
Covington*																
Roanoke City	1	4	42	4	20	6		1				24	2	9	2	3
Salem			4	1								7		1		
District 6																
Augusta		2	20	2		4		2				53	9	13		
Bath		1	13			2		1				4		3		
Highland												1				
Rockbridge			2		1											
Rockingham		1						1				1	8	3		
Buena Vista												37				
Harrisonburg*												2				
Lexington*																
Staunton*												8	1	1		
Waynesboro			3	1	2											

* Data are included with adjacent county.

(continued)

TABLE 57
REPORTED CASES OF CERTAIN COMMUNICABLE DISEASES BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE, VIRGINIA, 1988 (continued)

Planning District/ City or County	Anthrax	Asplenic Hemiplegia	Chickens- pox	Hepatitis			Legionel- losis	Malaria	Measles (Rubeola)	Meningo- coccal Infec- tions	Mumps	Portusalis (Whooping Cough)	Salmonel- losis	Shigel- losis	Tubercu- losis	Rocky Mountain Spotted Fever	Encephal- itis
	19	210	1,733	Type A	Type B	Type Unspec- ified	Type Non-A Non-B				139	29	1,733	497	406	16	44
STATE OF VIRGINIA	19	210	1,733	362	343	257	77	11	23	239	59	29	1,733	497	406	16	44
District 7		14	50	1		1	2	3	1	65	1	2	42		6		2
Clarke		0	10							54			17		3		1
Frederick		0	10	1									7		1		1
Peg		1	10				1			5	1		16		1		1
Shenandoah		5	28				1	3		6	1		1		1		1
Warren																	
Winchester																	
District 8	3	72	190	45	51	52	12		15	28	6	1	463	124	95	2	8
Arlington	1	0	11	12	9	4	3		3	1	1	1	59	13	25	2	3
Fairfax	1	50	107	26	21	34	4		8	3	4		211	63	55	2	2
Loudoun		2		1	1	2							16	2			1
Prince William		7	29	3	13	6	3		1	74	1		46	5	6		
Alexandria	1	5	43	3	7	6	2		3		5		131	41	9		
Fairfax City*											6						
Falls Church																	
Manassas																	
Manassas Park*																	
District 9			9	10		10	3				1		19	6	1		
Culpeper			1	6		7	2				1		3				
Fauquier			3	1			1				1		4				
Madison													4				
Orange													4				
Stafford			5	3		2	1						8	6	1		
Stafford County																	
District 10		10	10	3	7	12	1				1		70	8	2		1
Albemarle		10	10	1	7	11	1				1		61	7	2		1
Fluvanna				1	1	1					1		1	1			
Greene				2	1						1		2	1			
Louisiana											1		4	1			
Nelson			1	2									2				
Charlottesville*																	
District 11		4	17	2	4		1			95	2	2	59	31	4	1	1
Ashcroft			7										3				
Appomattox			2										7	1	1		
Bedford		3	2	2							1		7	1	1		
Campbell		1											7	1	1		
Bedford City*																	
Lynchburg			6	5	4					95	1	1	42	29	1	1	1
District 12		2	17	17	2	4	2	1			1		70	6	16		2
Franklin			3	4										1			
Henry				5	1								19		5		
Patriot			1	3							1		15		3		
Pittsylvania		1	6	2	2								4	5	6		
Denverville		1	7	3	3			1					32				2
Martinsville*																	

* Data are included with adjacent county.

(continued)

TABLE 57
REPORTED CASES OF CERTAIN COMMUNICABLE DISEASES BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE, VIRGINIA, 1988 (continued)

Planning District/ City or County	Amabi- asia	Aspic Non- gills	Chicken- pox	Hepatitis				Legionel- losis	Malaria	Measles (Rubeola)	Meningo- coccal Infec- tions	Mumps	Pertussis (Whooping Cough)	Salmonel- losis	Shigel- losis	Tubercu- losis	Rocky Mountain Spotted Fever	Enceph- alitis
				Type A	Type B	Type Unspec- ified	Type Mon-A Mon-B											
STATE OF VIRGINIA	19	210	1,733	362	343	257	77	11	23	239	59	139	29	1,733	497	406	16	44
District 13																		
Brunswick		1	24			2				1		1	1	22		2		1
Malifax			11			1				1				2		4		
Mecklenburg		1	13			1						1	1	16		1		1
South Boston ^a														4		2		
District 14																		
Amelia		1	9	1	1		1				1	3		23	9	5	2	
Buckingham		1	1								1	1		4	3	2	2	
Charlotte														4	3			
Cumberland											1							
Lunenburg			6				1							4		1		
Nottoway														3		1		
Prince Edward			2	1	1							2			1	1		
District 15																		
Charles City Co.	3	4	35	52	52	66	4	1	1		2	74		339	59	56	1	3
Chesterfield			9	21	10	7		1				1		14		2		
Goochland						2								36	8	10		2
Hanover	2	2	1	1	1	1	1							17	4	5	1	
Henrico	2	13	13	15	5	11	3							61	4	8		
New Kent						2								7				
Pohatan						2												
Richmond City	1	3	4	16	35	41					2	73		203	43	31		
District 16																		
Caroline	1	4	3		7	6	1				4		5	34	4	11	1	2
King George		1	3		1	1					1			12		1		1
Spotsylvania						2							3	1	1			
Stafford	1	1			4	2					2			4	1	6		
Fredericksburg		2			2	3	1				1		2	14	3	2	1	
District 17																		
Lancaster			3		1	1					1			4	1	3		1
Northumberland																		
Richmond			2															
Westmoreland			1								1	1		2		3		
District 18																		
Essex		1	4	2	3	4					1		1	12		3		
Gloucester														4		1		
King and Queen		1	2	1	2	1							1	2		1		
King William			1	1	1	1								3		1		
Mathews																		
Middlesex			1															

^a Data are included with adjacent county.

(continued)

TABLE 57
REPORTED CASES OF CERTAIN COMMUNICABLE DISEASES BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE, VIRGINIA, 1968 (continued)

Planning District/ City or County	Amebiasis	Acrotic Meningitis	Chicken- pox	Hepatitis		Legionel- losis	Malaria	Measles (Rubella)	Meningo- coccal Infection	Mumps	Pertussis (Whooping Cough)	Salmonel- losis	Shigel- losis	Tubercu- losis	Rocky Mountain Spotted Fever	Encephalitis
STATE OF VIRGINIA	19	210	1,733	362	343	257	11	23	239	59	139	1,733	497	406	16	44
District 19																
Dinwiddie	2	1	41	1	4	8	1					65	92	22	2	2
Greensville			2			1						3	2	2		
Prince George			4	1		1						7	1	2	2	
Surry			2			2						3		3		
Sussex			2			1						1		1		
Colonial Heights	1		3		1	1						2		1		
Emporia												3	5			
Hopewell			26									7				
Petersburg	1	1	2		2	3	1					39	5	1		1
District 20																
Isle of Wight		42	1,014	236	128	57	2	3		20	9	184	79	30	1	13
Southampton		1	1	1						1		4	2	3		
Chesapeake		4	16	12	16	5	1	1		1		33	13	3	1	
Franklin City		1	1									2		2		
Norfolk		27	143	36	27	38	1			6	2	57	59	22		1
Portsmouth		6	46	12	34	8		1		2	5	25	26	10		7
Suffolk		1	7		4					1	1	14	10	7		1
Virginia Beach		22	799	175	45	5		1		9	1	46	18	22		2
District 21																
James City Co.	4	6	169	3	18	10			1	1		113	10	30	1	1
York			8		1							3		2		
Hampton		1	2	1	1							5		4		
Newport News	1	1	9	1	5	9			1			24	2	8	1	
Poquoson	2	4	110		9							64	8	15		1
District 22																
Williamsburg	1		40	1	2	1						17		1		
Accomack			2			3			3			20		10	1	
Northampton			2			1			2			14		5	1	
						2			1			6		5	1	

a Data are included with adjacent county.

OTHER DISEASES

DISEASE	NUMBER OF CASES	CITY/COUNTY	DISEASE	NUMBER OF CASES	CITY/COUNTY
Brucellosis	1	Norfolk	Typhoid Fever	13	Alexandria (2) Arlington (2) Fairfax (7) Hampton (1) Rockingham (1)
Diphtheria	0				
Rubella (German Measles)	11	Augusta Washington Co.			
Tetanus	2	Richmond City			
Trichinosis	0	Chesapeake Frederick Co.			
Tularemia	2				

TABLE 58
REPORTED CASES OF VENEREAL DISEASE, BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE
VIRGINIA, 1988

Planning District/ City or County	Total Diseases	Total Syphilis	Primary and Secondary	Early Latent	Other Syphilis	Gonorrhea	Other Diseases
STATE OF VIRGINIA	15,873	1,400	449	373	578	14,464	9
District 1	<u>17</u>	<u>2</u>		<u>1</u>	<u>1</u>	<u>15</u>	
Lee	2					2	
Scott	1					1	
Wise	14	2		1	1	12	
Norton							
District 2	<u>21</u>	<u>5</u>	<u>1</u>	<u>2</u>	<u>2</u>	<u>16</u>	
Buchanan	1					1	
Dickenson	1					1	
Russell	4					4	
Tazewell	15	5	1	2	2	10	
District 3	<u>103</u>	<u>8</u>	<u>5</u>	<u>2</u>	<u>1</u>	<u>93</u>	
Bland	1	1	1			1	
Carroll	11	1	1			10	
Grayson	3					3	
Smyth	29	2	2			27	
Washington	20	2		1	1	18	
Wythe	11					11	
Bristol	27	2	1	1		25	
Galax	1					1	
District 4	<u>63</u>	<u>2</u>	<u>1</u>		<u>1</u>	<u>61</u>	
Floyd	2					2	
Giles	7	1			1	6	
Montgomery	22	1	1			21	
Fulaski	12					12	
Radford	20					20	
District 5	<u>802</u>	<u>74</u>	<u>38</u>	<u>23</u>	<u>13</u>	<u>727</u>	<u>1</u>
Allegheny	2					2	
Botetourt	4					4	
Craig							
Roanoke	17	1			1	16	
Clifton Forge	6	2	1	1		4	
Covington	14	2		2		12	
Roanoke City	743	65	37	20	8	677	1
Salem	16	4			4	12	
District 6	<u>88</u>	<u>5</u>			<u>5</u>	<u>83</u>	
Augusta	19	3			3	16	
Bath	3					3	
Highland							
Rockbridge	8	1			1	7	
Rockingham	5					5	
Buena Vista							
Harrisonburg	11	1			1	10	
Lexington	3					3	
Staunton	22					22	
Waynesboro	17					17	
District 7	<u>160</u>	<u>10</u>	<u>1</u>		<u>9</u>	<u>150</u>	
Clarke	13	1			1	12	
Frederick	26	1			1	25	
Page	4					4	
Shenandoah	2					2	
Warren	17	1	1			16	
Winchester	98	7			7	91	
District 8	<u>2,493</u>	<u>352</u>	<u>58</u>	<u>34</u>	<u>260</u>	<u>2,141</u>	
Arlington	458	105	11	9	85	353	
Fairfax	578	90	13	8	69	488	
Loudoun	72	8	1	1	6	64	
Prince William	205	22	5	3	14	183	
Alexandria	1,025	90	24	12	54	935	
Fairfax City	13	3			3	10	
Falls Church	64	22	1		21	42	
Manassas	78	12	3	1	8	66	
Manassas Park							
District 9	<u>65</u>	<u>1</u>			<u>1</u>	<u>64</u>	
Culpeper	41					41	
Fauquier	11	1			1	10	
Madison	4					4	
Orange	8					8	
Rappahannock	1					1	
District 10	<u>154</u>	<u>11</u>	<u>2</u>	<u>5</u>	<u>4</u>	<u>143</u>	
Albemarle	10	2	1	1		8	
Fluvanna	13	3	1	2		10	
Greene	7					7	
Louisa	23	2		2		21	
Nelson	8	2			2	6	
Charlottesville	93	2			2	91	
District 11	<u>431</u>	<u>22</u>	<u>8</u>	<u>11</u>	<u>3</u>	<u>409</u>	
Amherst	30	3	1	2		27	
Appomattox	13	3	2	1		10	
Bedford	13	1	1			12	
Campbell	45	1		1		44	
Bedford City	7					7	
Lynchburg	323	14	4	7	3	309	

(continued)

TABLE 58
REPORTED CASES OF VENEREAL DISEASE, BY PLANNING DISTRICT AND CITY OR COUNTY OF RESIDENCE (continued)
VIRGINIA, 1988 (continued)

Planning District/ City or County	Total Diseases	Total Syphilis	Primary and Secondary	Early Latent	Other Syphilis	Gonorrhea	Other Diseases
STATE OF VIRGINIA	15,873	1,400	449	373	578	14,464	9
District 12	677	56	19	14	23	619	2
Franklin	18	4	3	1		14	
Henry	71	4	3	1		66	1
Patrick	7					7	
Pittsylvania	173	9	4	3	2	163	1
Danville	363	38	9	9	20	325	
Martinsville	45	1			1	44	
District 13	177	20	8	4	8	157	
Brunswick	65	2	1		1	63	
Halifax	31	6	2	1	3	25	
Mecklenburg	63	11	5	3	3	52	
South Boston	18	1			1	17	
District 14	135	9	5	1	3	126	
Amelia	6					6	
Buckingham	24	3	1		2	21	
Charlotte	21	3	3			18	
Cumberland	12	1		1		11	
Lunenburg	18					18	
Nottoway	33	1	1			32	
Prince Edward	21	1			1	20	
District 15	1,872	315	127	104	84	1,557	
Charles City Co.	10	1		1		9	
Chesterfield	81	12	6	4	2	69	
Goochland	4	3	1		2	1	
Hanover	34	8	4	1	3	26	
Henrico	85	15	4	4	7	70	
New Kent	5					5	
Powhatan	23	19		6	13	4	
Richmond City	1,630	257	112	88	57	1,373	
District 16	208	16	5	6	5	192	
Caroline	36	2			2	34	
King George	13					13	
Spotsylvania	28	5	1	2	2	23	
Stafford	20	3	2	1		17	
Fredericksburg	111	6	2	3	1	105	
District 17	87	2	1	1		85	
Lancaster	19					19	
Northumberland	16	1	1			15	
Richmond	15					15	
Westmoreland	37	1		1		36	
District 18	57	5	1	1	3	52	
Essex	14	2	1		1	12	
Gloucester	17	2			2	15	
King and Queen	13					13	
King William	10	1		1		9	
Mathews	2					2	
Middlesex	1					1	
District 19	669	119	49	46	24	550	
Dinwiddie	43	4	3		1	39	
Greensville	35	3		3		32	
Prince George	8	3	2	1		5	
Surry	15					15	
Sussex	70	10	4	5	1	60	
Colonial Heights	3					3	
Emporia	20	3	1	1	1	17	
Hopewell	40	7	3	2	2	33	
Petersburg	435	89	36	34	19	346	
District 20	5,636	288	99	106	83	5,342	6
Isle of Wight	72	2		1	1	70	
Southampton	67	9	3	3	3	58	
Chesapeake	645	25	6	4	15	619	1
Franklin City	69	5	2	3		64	
Norfolk	2,409	122	50	50	22	2,282	5
Portsmouth	1,377	61	24	17	20	1,316	
Suffolk	423	26	5	12	9	397	
Virginia Beach	574	38	8	16	13	536	
District 21	1,801	60	18	7	35	1,741	
James City Co.	15					15	
York	25	1			1	24	
Hampton	658	25	11	3	11	633	
Newport News	1,024	22	7	3	12	1,002	
Poquoson	3					3	
Williamsburg	76	12		1	11	64	
District 22	157	18	3	5	10	139	
Accomack	92	10		4	6	82	
Northampton	65	8	3	1	4	57	